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ABSTRACT

This catalogue, prepared by the National Clearinghouse for Human Genetic Diseases, provides educational and informational materials on the latest advances in testing, diagnosing, counseling, and treating individuals with a concern for genetic diseases. The materials include books, brochures, pamphlets, journal articles, audio cassettes, filmstrips, games, laboratory exercise kits, teaching kits, 16mm motion pictures, posters and charts, real objects, 35mm slide transparency sets, slide/tape lectures, super 8 film loops, and video cassettes. The catalogue is divided into two sections, the title section and the appendices. In the title section, the materials are grouped according to the type of medium. Appendices are divided into a list of subject headings, a subject index to titles, and a list of abbreviations used with name and address of producers, publishers, and sources. (SA)

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VOL. I NO. 1

HUMAN GENETICS

INFORMATIONAL AND EDUCATIONAL MATERIALS

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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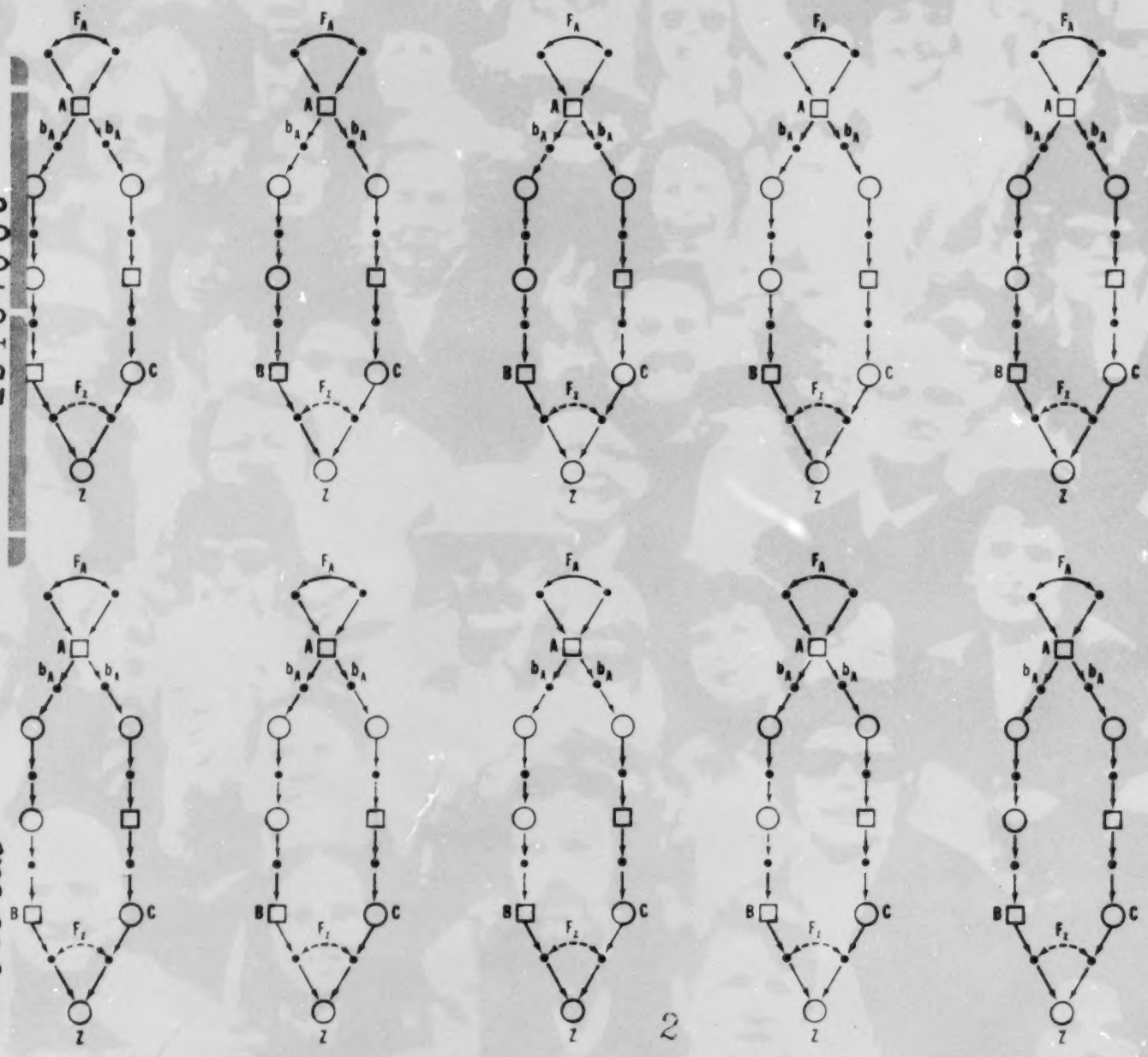

SE 030 506

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE • Public Health Service • Health Services Administration • Bureau of Community Health Services

The diagram used on the front cover shows:
A pedigree with one common ancestor (A) and only one connecting path between the parents B and C, producing child Z with inbreeding coefficient F_Z.

(Redrawn with permission of Dr. C.C. Li, Univ. of Pittsburgh)

FOREWORD

The National Sickle Cell Anemia, Cooley's Anemia, Tay-Sachs, and Genetic Diseases Act (Title IV, P.L. 94-278), became law on April 22, 1976. The law amended Title XI of the Public Health Service Act and under Section 1101, provides for the Secretary, Department of Health, Education, and Welfare to "develop information and educational materials to persons providing health care, to teachers and students, and to the public in general in order to rapidly make available the latest advances in the testing, diagnosis, counseling and treatment of individuals respecting genetic diseases."

One of the approaches utilized to accomplish these objectives was the establishment in October 1978 of a National Clearinghouse for Human Genetic Diseases.

The functions of the Clearinghouse include providing information on human genetics and genetic diseases for both patients and health care workers at several levels, conducting a needs assessment of available materials on human genetics, and reviewing existing curricular materials on genetic education. The prime goals are to link potential users with sources of information; to provide a nexus of genetic information; and to develop collections of materials, as needed, to fill existing gaps.

This first edition of the Human Genetics Materials catalog, produced by the Clearinghouse, is a collection of print and non-print human genetic and genetic disease materials for professionals, their patients, students or clients and the public who are seeking such materials for themselves. The catalog is the first of several types of genetic information projects planned by the Bureau of Community Health Services.

It is anticipated that several specific bibliographies will also be published by the Clearinghouse during the first year of operation.

Comments and suggestions for future editions of the catalog are welcomed and should be addressed to:

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INTRODUCTION TO THE CATALOG

This catalog, prepared by the National Clearinghouse for Human Genetic Diseases for the Department of Health, Education, and Welfare, Bureau of Community Health Services, Genetic Services Program lists educational and informational materials for human genetics and human genetic diseases. The materials listed herein have all passed through a standardized review and/or evaluation process. Subjective comments are the opinion of individual reviewers and not necessarily those of the Clearinghouse or BCHS. Special thanks are due the many producers and publishers who were most helpful in providing material for preview.

General Format

The catalog is in two main sections: Title Section and Appendices.

The title section is divided into sub-sections according to type of medium. In the sub-sections materials are listed by title alphabetically by the first significant word. The full bibliographic citation appears in this section. The example on the next page explains each of the elements of the citation.

Appendices are divided into a list of subject headings; a subject index to titles; and a list of abbreviations used with complete name and address of producers, publishers, and sources. In addition the abbreviations for type of medium are listed with their meanings. The abbreviations used are from standard sources, such as, Chemical Abstracts, Biological Abstracts, National Information Center for Educational Media Index, Books in Print, and National Audiovisual Center Reference List of Audiovisual Materials.

Sample Entry

1. Genetic Disorders and Counseling
2. NET
3. IU/AVC 1978
4.
5. Explains three ways genetic diseases are passed from parent to child. People whose lives have been affected by various genetic diseases are interviewed. Genetic screening is examined in terms of the ethical, legal, and moral questions it raises. Several researchers explain the medical advances in the genetic field and the value of genetic counseling to families who have genetic problems.
6. 16mm MP/60 min./col./opt. sd.
7. Teacher's Guide
8. secondary; college; adult
9. Genetic Diseases.

The explanation for each entry is as follows:

1. Title
2. Author/Producer: The company, institution or person(s) responsible for the intellectual content of the medium.
3. Publisher: The company, institution, or person(s) which issues the medium for public distribution or sale.
4. Source: Where the medium can be purchased. When no source is given, it is identical to the publisher. Also see section on "Sources of Materials."
5. Synopsis: Summary of the content of the medium.
6. Physical description of the medium.
7. Auxillary materials accompanying the medium.
8. Intended audience.
9. Subject headings.

Sources of Materials

Printed materials: Sources listed are national sources which primarily offer the material for sale. Printed materials are generally available from local and area book dealers and libraries. Local listings and/or directories should be consulted.

Audio visual materials: The source listed in the catalog description is the national source which is selling prints of the film or other material, although this source may also rent. This source can usually advise an interested person as to what film libraries in his or her locale have purchased the AV material in question.

Rental Information: In order to supply rental information the catalog would have to publish a directory of all rental sources in the United States, which would be prohibitive. The National Medical Audiovisual Center and most of the other Federal agencies loan material free. A prospective borrower should contact the agency listed as the source for complete details.

Persons or organizations interested in bulk quantities should write to the National Clearinghouse for Human Genetic Diseases for details concerning the specific item(s) of interest.

TABLE OF CONTENTS

	Page
Books (BK)	1
Brochures (BR)	31
Pamphlets (PA)	51
Journal Articles	71
Audio Cassettes (AC)	91
Filmstrips (FS)	93
Games (G)	95
Laboratory Exercise Kit (KT)	97
Teaching Kit (KT)	97
Motion Pictures, 16 mm (MP)	101
Posters and Charts (PC)	121
Real Objects (R)	123
Slide Sets (35mm transparencies) (SS)	125
Slide/Tape Lectures (ST)	127
Super 8, film loops (S8)	129
Video Cassettes (VC)	143
Appendices	149

BOOKS

AGING AND REPRODUCTIVE PHYSIOLOGY

Hafez, E. S. E., ed.

Ann Arbor Science 1976

Focuses on physiological and psychological aspects and effects of aging on the reproductive system. Two chapters on genetics: one concerning research from Israel and the U.S. on pregnancy risks in elderly women; another examines theories on the etiology of chromosomal nondisjunction syndromes, i.e., viruses, age, "overaged" ovum, radiation, excessive heterochromatin, hormones and temperature. Explores supporting evidence and deficiencies of theories. Perspectives in Human Reproduction Series, v. 2.

BK 102 pp.

Professional

Reproduction; Chromosome Abnormalities; Down's Syndrome

APPROACHES TO TEACHING IN THE HEALTH SCIENCES

Harold, J. K., and Diekelman, N. L.

A-W 1978

Particularly designed for the new teacher with emphasis on individualized learning techniques. Divided into four major sections regarding curriculum: planning, development, management and evaluation. Includes discussion of relationships with students and colleagues. Relevant bibliographies.

BK 246 pp.

Professionals

Health Education; Education

BIOCHEMICAL METHODS IN MEDICAL GENETICS

Kelly, S.

Thomas 1977

Documents the procedures used in providing laboratory data for the diagnosis, treatment, and control of heritable metabolic diseases. Gives brief clinical descriptions of each disease followed by detailed, step-by-step laboratory procedural instructions. Sickle cell anemia, thalassemia, the galactosemias, muscular dystrophy, Tay-Sachs and maple syrup urine disease are among those covered in the manual.

BK 345 pp.

Professional

Metabolism, Inborn Errors; Medical Genetics; Genetic Diseases

BIRTH DEFECTS AND FETAL DEVELOPMENT

Moghissi, K. S., ed.

Thomas 1974

Covers a wide spectrum of topics on the metabolic, nutritional, endocrine, and environmental influences on fetal development. Discusses the recognition, prevention and management of birth defects, including the prenatal detection of hereditary disorders. Concludes with two chapters, one by V. A. McKusick, the other by C. J. Epstein, on genetic counseling.
BK 334 pp.

Professional
Birth Defects; Genetic Counseling

CANCER GENETICS

Lynch, H. T., ed.

Thomas 1976

Explores problems associated with familial cancer such as immunology, HLA histocompatibility, oncogenic viruses, cytogenetics, hereditary predisposition, Wiskott-Aldrich syndrome, and nongenetic factors interacting in lung cancer. Common cancers covered include carcinoma of the internal organs, skin, and blood. Clinical findings are detailed to aid clinicians who rarely encounter these abnormalities. Appendix-summary of genetic counseling and cancer programs.
BK 639 pp.

Professional
Cancer Genetics; Clinical Service Programs; Genetic Counseling; Jewish Genetic Diseases

CHILD HEALTH IN AMERICA

Andrews, D.

BCHS 1976

DHEW Pub. No. (HSA) 76-5015

Summarizes a Harvard School of Public Health historical study on children in America. Stresses the development of child health care services. Covers over forty-five topics in the child health field including: dental health, retardation, crippled children's services, and publications for young mothers.
BK 72 pp.

Adult; Secondary
Public Health; Maternal and Child Health

THE CHILD WITH DOWN'S SYNDROME
(Mongolism)
Smith, D. W., and Wilson, A. A.
Saunders 1973

Detailed explanation of the chromosomal developmental abnormalities associated with Down's syndrome. Discusses general risk and prebirth detection techniques. Denotes physical, mental and social characteristics of Down's syndrome and suggests methods for adaptation and adjustment by the parents. Contains numerous easily understood graphs to accompany explanations and also has a chapter devoted to photographs of patients in everyday activities.
BK 106 pp.

Professional; Adult; Secondary
Down's Syndrome; Genetic Counseling

CHROMOSOMES IN HUMAN CANCER
Cervenka, J. et al.
Thomas 1973

Examines the chromosomal changes occurring in malignancies and discusses links between chromosomal abnormalities and cancer. Describes the association of leukemia with Down's Syndrome. Explores the relationship between several cancers and specific chromosomal abnormalities. Reviews data on abnormal chromosomes in diseases of the hematopoietic and lymphatic systems. Concludes with a detailed treatment of solid tumors and associated chromosomal abnormalities.
BK 203 pp.

Professional
Cancer Genetics; Chromosome Abnormalities

CLINICAL ATLAS OF HUMAN CHROMOSOMES
DeGrouchy, J., and Turleau, C.
Wiley 1977

Describes the physical characteristics of each chromosome and illustrates with photographs the clinical features and pathology of each anomaly. Includes in appendices: A description of the current cytological techniques and basic concepts necessary for dermatoglyphic interpretation; chromosomal nomenclature; a list of localized genetic markers and a syndrome finder which classifies clinical symptoms with associated syndromes.
BK 319 pp.
Professional

Genetic Diseases; Chromosomes; Chromosome Abnormalities

CLINICAL GENETICS

Jackson, L. G.
Wiley 1979
(In press)
BK 640 pp.

Professional
Medical Genetics

CLINICAL GENETICS

Sorsby, A.
Butterworths 1973

Presents an in-depth look at medical genetics for the specialist. Describes and delineates the genetic disorders of each organ system in clinical terms. Treatment, screening, diagnostic clinical features, and the biochemistry and genetics of each disorder are discussed. Outlines procedures for taking a family history with special reference to genetic considerations. Includes a discussion of lethal and sublethal malformations and discusses the genetic aspects of infectious diseases, allergy, and cancer. Contemporary as of 1973.
BK 646 pp.

Professional
Medical Genetics; Genetic Diseases

COMMISSION FOR THE CONTROL OF HUNTINGTON'S DISEASE AND...

CCHD, NIH
NIH 1977
DHEW Pub. No. (NIH) 78-1501-1510
Provides recommendations for a comprehensive national plan for the control of Huntington's Disease. Public testimony given in various cities on the effects of Huntington's Disease is presented. Develops the concept that this disease is a family disease.

BK 4 v. in 10

Professional; Adult
Huntington's Disease

COMPREHENSIVE MANAGEMENT OF HEMOPHILIA

Boone, D. C.
Davis Co. 1976

Based on twelve years' experience in the comprehensive management of hemophilia at Orthopedic Hospital's Hemophilia Rehabilitation Center in Los Angeles. Provides a guide to the multidisciplinary approach to the disease including the fields of hematology, clinical pathology, orthopedics, pediatrics, physical therapy, and dentistry. Also considers the psychological, social, and vocational aspects of the disease. Concludes with a detailed discussion of the Center's operation.
BK 185 pp.

Professional
Hemophilia

CYSTIC FIBROSIS: PROJECTIONS INTO THE FUTURE

Mangos, J. A., and Talamo, R. C.
Symposia Special 1976

Compilation of papers from the 1976 International Conference at Israel National Academy of Sciences. Effects on body systems and nutritional, psychological and social aspects of cystic fibrosis are covered. Includes pathology of cystic fibrosis along with fundamental information regarding its biochemistry, immunology, cellular and molecular biology. Presents four papers on genetic factors and a concluding chapter on physiology and pharmacology.
BK 370 pp.

Professional
Cystic Fibrosis

DAVID

Roberts, N.
John Knox 1974

A well written story of the first four years in the life of a child with Down's syndrome. Describes the child's step-by-step progression through his early emotional, physical and intellectual development. Methods for coping and accepting the limitations while accentuating accomplishments of the Down's syndrome child are stressed.
BK 72 pp.

Adult
Down's Syndrome; Personal Narratives

DIABETES MELLITUS

Fajans, S., ed.

Fogarty 1977

DHEW Pub. No. (NIH) 76-854

Reviews and evaluates the state of knowledge and research in the prevention and control of diabetes mellitus, identifies gaps in the knowledge of this disease, and proposes ways in which current knowledge in areas such as bioengineering and transplantation may be applied more effectively. The significance of diabetes mellitus as a major public health problem is stressed. Fogarty International Center Series on Preventive Medicine, v.4.

BK 361 pp.

Professional

Diabetes Mellitus

DIRECTORY OF NATIONAL INFORMATION SOURCES OF HANDICAPPING...

OHCH 1976

Primarily lists national level organizations which respond to inquiries from both the professional and the layman and which provide information or services for the handicapped individual. Contains 270 abstracts on private, volunteer, and governmental organizations in the United States. Publication of the National Clearinghouse on the Handicapped.

BK 405 pp.

Professional; Adult

Handicapped; Directories; Health Services

DIRECTORY OF SERVICES IN CALIFORNIA FOR GENETIC DISORDERS

CaDHS 1978

Identifies resources in California for the prevention and treatment of genetic disorders. Includes: clinical services and genetic counseling centers; general laboratory services including screening and chromosomal analysis; amniocentesis centers and prenatal diagnostic services; treatment centers and consultants for specific genetic diseases. Concludes with a list of National Foundation - March of Dimes chapters in California.

BK 100 pp.

Professional; Adult

Genetic Services; Directories; California

EARLY DIAGNOSIS OF HUMAN GENETIC DEFECTS; SCIENTIFIC AND ETHICAL...

Harris, M., ed.
Fogarty 1971
DHEW Pub. No. (NIH) 72-25

A series of articles on medical genetics. Topics covered include technical aspects and problems in early diagnosis, screening, counseling, ethics, administration of genetic service programs. Cytogenetic and biochemical problems in antenatal diagnosis are presented. The Fogarty International Center sponsored the symposium.
BK 230 pp.

Professional
Medical Genetics; Community Genetic Screening; Prenatal Diagnosis; Genetic Counseling

ELEMENTS OF MEDICAL GENETICS

Emery, A. E. H.
Churchill 1975

Traces the origins of medical genetics using an historical approach. Discusses biochemical genetics, chromosomal abnormalities, developmental genetics, pharmacogenetics and population genetics. Chapters on radiation genetics and genetics and the primary care physician are also included. Covers multifactorial diseases in depth.
BK 245 pp.

Professional
Medical Genetics; Human Genetics

ENZYMOPENIC ANAEMIAS, LYSOSOMES, AND OTHER PAPERS

Allan, J. D. et al., eds.
Churchill 1969

Collection of papers given at the sixth symposium of the Society for the Study of Inborn Errors of Metabolism. Focuses on lysosome defects and their relationship to congenital abnormalities and disorders of the urea cycle as well as the clinical problems of the enzymophenia anemic child. Discusses defects in glycolysis and the biochemical basis for migraine.
BK 213 pp.

Professional

Metabolism, Inborn Errors

THE EXPERIMENTAL GENETICIST; AN INTRODUCTORY LABORATORY MANUAL

Saint Lawrence, P. et al.
W. H. Freeman 1974

Presents twenty-three experiments, each illustrating a significant concept, experimental design, or technique that has contributed to the development of modern genetics. Topics include: chromosomes, sterile technique, mutation, transmission and recombination of the genetic material, and gene evolution. Two experiments, "Your Chromosomes" and "Hemoglobin Polymorphism in Human Populations," deal specifically with human genetics.
BK 118 pp.

College
Genetics; Cytogenetics

FACETS OF GENETICS

Srb, A. M. et al.
W. H. Freeman 1970

A collection of 35 articles by prominent geneticists published between 1948 and 1969 which provide insight into advances in research from the chemical basis of inheritance to social implications of genetics. Includes sections on the process of inheritance, nature of the gene, development of individual organisms, genetics and evolution, and human genetics. (Readings from Scientific American).
BK 354 pp.

College; Adult
Genetics

FIRST COURSE IN POPULATION GENETICS

Li, C. C.
Boxwood 1976

Provides a general introduction to population genetics for the student or scientist without an extensive mathematical background. Covers a wide range of topics including an examination of the Hardy-Weinberg-Castle law, the use of transitional matrices, multiple alleles in the blood groups, and assortative mating. The use of path analysis for analyzing irregular inbreeding systems is examined.

BK 631 pp.
Professional; College
Population Genetics

FOGARTY INTERNATIONAL CENTER SERIES ON PREVENTIVE MEDICINE - See

Diabetes Mellitus - Prevention of Embryonic, Fetal and Perinatal Disease

THE GENETIC APPROACH TO HUMAN DISEASE

Riccardi, V. M.
Oxford U. Pr. 1977

Presents a genetic approach to diagnosis and management during routine primary care. Discusses the classifications of human diseases and the mechanisms of genetic diseases. Components of a genetic evaluation and techniques of genetic counseling are described. Elucidates pharmacogenetics and management and roles of genetic associates. Describes the Colorado-Wyoming Regional Genetic Counseling Program.
BK 273 pp.

Professional
Medical Genetics; Genetic Counseling; Colorado; Wyoming

GENETIC CONDITIONS
CaSDE
CaSDE 1977

Focuses on four major concepts of human genetics and genetic diseases suitable for teaching at the primary, secondary or adult education levels. Presents behavioral objectives, learning and evaluation activities as well as background or content material for each learning objective. Excellent resource guide for introducing human genetics into a science or health education curriculum.
BK 80 pp.

Professional; Adult
Genetic Diseases; Birth Defects; Genetic Education

THE GENETIC CONNECTION
Hendin, D., and Marks, J.
Morrow 1978

Presents a basic introduction to human genetics for the layman. Focuses on prenatal diagnosis, genetic counseling and the ethical problems faced by health professionals and patients. Examines methods of coping with selected

genetic diseases along with questions to ask the family physician. Shows how to do a family pedigree analysis. A listing of genetic counseling and treatment centers by states is also included.
BK 251 pp.

Professional; Adult
Genetic Counseling; Medical Genetics

GENETIC COUNSELING

Stevenson, A. C., Davison, B. C. C.
Lippincott 1976

Provides an overview of medical genetics for the primary health care worker, but is not intended for the specialist in medical genetics. Describes genetic disorders for each organ system in clinical terms and presents methods for estimating risks for X-linked, recessive, and dominant traits. Outlines risks to outcomes of pregnancy and the effects of mutagenic and teratogenic agents. Briefly mentions problems encountered in the authors' clinical practice. Includes appendices on the estimation of penetrance and the calculation of coefficients of inbreeding.
BK 357 pp.

Professional
Genetic Counseling; Medical Genetics; Human Genetics

GENETIC ISSUES IN PUBLIC HEALTH AND MEDICINE

Cohen, B. H. et al.
Thomas 1978

Collection of seminar presentations covering the areas of genetics and environment, prenatal diagnosis, population and ethnic screening programs, genetic counseling, and future capabilities. Specific topics include DNA repair and reconstruction, eco-genetics, National Amniocentesis Registry, PKU, cytogenetic screening, limitations and prerequisites of screening, Tay-Sachs, sickle cell anemia, diabetes, Amish population, Rh immunization, and gene therapy.
BK 486 pp.
Professional
Medical Genetics; Community Genetic Screening; Prenatal Diagnosis; Genetic Counseling

THE GENETIC, METABOLIC AND DEVELOPMENTAL ASPECTS OF MENTAL . . .

Murray, R. F., and Rosser, P. L., eds.
Thomas 1972

Collection of seminar (1969) presentations (Howard University) for all health care professionals interested in up-to-date information regarding brain function at the biochemical genetic level, the developmental level and the behavioral level. Sampling of topics includes "5-Hydroxytryptophan Administration in Down's Syndrome", and "Hand Abnormalities in Malformation Syndromes Associated with Mental Retardation."
BK 343 pp.

Professional
Mental Retardation; Down's Syndrome; Chromosome Abnormalities

GENETIC SCREENING FOR INBORN ERRORS OF METABOLISM

Levy, H. L.
BCHS 1973
DHEW Pub. No. (HSA) 78-5124

Presents a comprehensive review of community genetic screening services for inborn errors of metabolism. Laboratory methods currently used in mass screening programs are examined. Summarizes the amino acid, carbohydrate, red blood cell and immunologic disorders that can be diagnosed prenatally. Major problems are identified and recommendations are made for the future.
BK 106 pp.

Professional
Community Genetic Screening; Metabolism, Inborn Errors

GENETICS

Goodenough, U.
Holt 1978

Focuses first on the molecular properties of the genetic material: its ability to affect RNA and protein synthesis. Then considers the ordering of genes within chromosomes and the capacity of genes to segregate and assort. Concludes with a discussion of functional interactions between genes, genetic regulation, and genes in populations. Human examples are used wherever feasible.
BK 840 pp.

College
Genetics

GENETICS AND COUNSELING IN CARDIOVASCULAR DISEASES

Nora, J. J., and Nora, A. H.
Thomas 1978

Covers frequently asked questions regarding causes and recurrence incidence of cardiovascular diseases. Four categories of cardiovascular disease - congenital heart disease, atherosclerosis, hypertension, and rheumatic fever - are considered in regard to their relationship with genetic and environmental factors. Notes disorders of unknown etiology. Explicit tables of features associated with and brief descriptions of various abnormalities are included. Photographs.
BK 227 pp.

Professional
Genetic Counseling; Cardiovascular Diseases

GENETICS AND EVOLUTION: SELECTED PAPERS OF A. H. STURTEVANT

Lewis, E. B., ed.
W. H. Freeman 1961

Reprints thirty-three of the most important papers published between 1913 and 1946 by A. H. Sturtevant, an original member of the Thomas Hunt Morgan group of Drosophila workers who made important contributions to genetics. Includes his papers on chromosome mapping, mosaicism, sex determination and crossing-over. A list of Sturtevant's 137 publications is given in the appendix.
BK 334 pp.

Professional
Genetics; Evolution; Sturtevant, Alfred Henry

GENETICS AND THE LAW

Milunsky, A., and Annas, G., eds.
Plenum Pr. Plenum Pub. 1976

Explores the major issues in modern genetics which interface with the law. Topics include the fetus and newborn; genetic counseling and mass screening; genetics and family law; research and experimentation in in vitro fertilization; and eugenics. Stresses the need for expert consultation in formulating policy and legislation on genetic diseases. Proceedings of the National Symposium on Genetics and the Law, May 1975.
BK 532 pp.

Professional
Medical Genetics; Legal Medicine

GENETICS, EVOLUTION, AND MAN
Bodmer, W., and Cavalli-Sforza, L.
W. H. Freeman 1976

Covers general genetics using examples drawn largely from man. Population genetics is presented as essential to understanding human inheritance and as background for evolutionary theory. Discusses inheritance of complex traits, behavioral genetics, racial differentiation and the nature-nurture controversy. Includes individual and social aspects of medical genetics. Genetic applications of probability and statistics are covered in the appendix.
BK 782 pp.

College
Human Genetics; Population Genetics; Evolution; Social Aspects

GENETICS IN MEDICINE
Thompson, J. S., and Thompson, M. W.
Saunders 1979

Basic introductory text on medical genetics. Describes molecular genetics, transmission patterns of disorders, immunogenetics, biostatistics and population genetics. Description of studies using twins in genetic research and dermatoglyphics are also presented. Stresses application of genetics to medicine.
BK (3rd ed.) 430 pp.

Professional
Medical Genetics; Human Genetics

THE GENETICS OF HUMAN POPULATIONS
Cavalli-Sforza, L., and Bodmer, W.
W. H. Freeman 1971

A wide range of topics in population genetics including deleterious mutations and the estimation of mutation rates, genetic demography and natural selection, inbreeding and population structure is covered. Presumes only elementary algebra in the text, but provides additional material for readers with more extensive mathematical training. Concludes with a chapter on "Eugenics, Euphenics, and Human Welfare".
BK 965 pp.

College; Professional
Population Genetics

GENETICS OF MAN
Fraser, F. C., and Nora, J. J.
Lea & Febiger 1975

Discusses the basic principles of genetics and then reviews normal and abnormal human variations and methods of assessing their genetic components. Examines and illustrates specific single gene and chromosomal disorders. Includes chapters on genetic counseling, prenatal diagnosis, somatic cell genetics, and teratology. Multifactorial inheritance, pharmacogenetics, and immunogenetics are among the topics also considered. Includes chapter summaries.
BK 270 pp.

College
Human Genetics; Medical Genetics

THE GENETICS OF THE JEWS
Mourant, A. E. et al.
Oxford U. Pr. 1978

Genetics of Jewish blood groups. Examines blood groups and related enzyme polymorphisms in various Jewish populations; Samaritan, Oriental, Yemenite, Karaites, African, Sephardic, and Ashkenazic Jews. Short history of each group included. Presents a short history of genetic aspects of certain Jewish diseases. Extensive tables and statistical data.
BK 122 pp.

Professional
Genetic Diseases; Blood Group Genetics; Jewish Genetic Diseases

HEREDITY AND HUMAN AFFAIRS
Nagle, J. J.
Mosby 1978

Discusses evolution, reproduction, and genetics within the framework of an introductory biology course for non-science majors. Includes a chapter on pedigree analysis and pedigree construction. Describes the field of population genetics, the genetics of sex determination, gene regulation and chromosomal abnormalities.
BK 337 pp.

College; Adult
Genetics; Developmental Biology; Reproduction; Evolution

HEREDITY AND YOU – HOW YOU CAN PROTECT YOUR FAMILY'S FUTURE

Greenblatt, A.
Coward 1974

Delineates common genetic disorders. Tay-Sachs, Down's Syndrome, sickle cell, Rh disease, hemophilia, thalassemia, cystic fibrosis, Wilson's disease, Huntington's disease are all described accurately for the layman. Briefly discusses the genetics of schizophrenia and depression. The pharmacogenetics section mentions medications that may be harmful.
BK 256 pp.

Adult
Genetic Counseling; Genetic Diseases; Heredity

HEREDITY, EVOLUTION AND SOCIETY

Lerner, I. M., and Libby, W. J.
W. H. Freeman 1976

Covers properties of living matter, Darwinism, human evolution and genetics. The social, political and human aspects of biological phenomena in general and genetics in particular are emphasized. Includes chapters on race, sex determination, polygenic inheritance, the nature-nurture controversy, behavior and population genetics. Discusses the population explosion, the green revolution, and the effectiveness of genetic engineering.
BK 431 pp.
Teacher's Guide
College
Human Genetics; Evolution; Social Aspects

THE HEREDITY FACTOR, GENES, CHROMOSOMES, AND YOU

Nyhan, W. L., and Edelson, E.
Grosset 1976

Written by a physician and a layman, this book gives a basic introduction to human and medical genetics. Public health perspectives, prenatal diagnosis, screening, and genetic counseling are discussed. Describes patterns of inheritance. Format is very informal and includes a question and answer section at the end of the book.
BK 320 pp.

Secondary; Adult
Human Genetics; Heredity; Genetic Diseases

HEREDITY IN HUMANS

Scheinfeld, A.

Lippincott 1972

Sketches in a non-technical manner the scientific basis of heredity and discusses the major genetic disorders and their modes of transmission. Focuses on the inherited normal variations in man of body type, hair, eyes, skin, facial features, and race. Explains the determination of sex and the phenomenon of multiple birth. Considers intelligence, talent, personality, and behavior in the light of inherited versus acquired characteristics.

BK 303 pp.

Adult

Human Genetics; Genetic Diseases

HERITABLE DISORDERS OF AMINO ACID METABOLISM

Nyhan, W. L.

Wiley 1974

Describes the major disorders of amino acid metabolism in clinical terms. Delineates maple syrup urine disease and related branched-chain amino acid disorders. Includes a clinical description of phenylketonuria (PKU) and of histidine, glycine, proline, lysine, and sulfur containing amino acid disorders. Outlines procedures for establishing community screening programs and provides current diagnostic and treatment methods for these disorders.

BK 765 pp.

Professional

Human Genetics; Metabolism, Inborn Errors; Heredity; Community Genetic Screening

HERITABLE DISORDERS OF CONNECTIVE TISSUE

McKusick, V. A.

Mosby 1972

Opens with an outline of medical genetics and then discusses the biology of normal connective tissue. Succeeding chapters are devoted to heritable disorders of connective tissue including: various syndromes, homocystinuria, cutis laxa, alkaptonuria, pseudoxanthoma elasticum, the mucopolysaccharidoses and genetic disorders of the skeleton. Concludes with a summary table of the diseases discussed.

BK 878 pp.

Professional
Connective Tissue; Genetic Diseases

HUMAN GENETICS

Winchester, A. M.
Merrill 1975

Basic introduction to genetic principles. Delineates concept of variations in gene expression and determination of sex. Presents information on interactions between environment and heredity.
BK 212 pp.

Professional; Adult
Human Genetics; Heredity; Medical Genetics

HUMAN GENETICS; AN INTRODUCTION TO THE PRINCIPLES OF HEREDITY

Singer, S.
W. H. Freeman 1978

Presents fundamentals and some highlights of human genetics. Discusses inheritance of familial characteristics in cellular terms. Shows how some human traits can be explained as the results of chemical changes in DNA molecules. Includes chapters on population genetics and on genes and human intervention. Profusely illustrated.
BK 139 pp.
Teacher's Resource Book
College; Adult
Human Genetics

HUMAN GENETICS: PRINCIPLES AND METHODS

Li, C. C.
McGraw 1961
Li, C. C.
A general introduction to human and population genetics. Segregation in human families is explored. Includes a detailed treatment of the maximum likelihood method of estimating segregation ratios.
BK 218 pp.

Professional; College
Population Genetics; Human Genetics

HUMAN HEREDITY AND BIRTH DEFECTS

Volpe, E. P.
Pegasus 1971

Concise account of birth defects with genetic components written for the general public. Includes section on embryonic and fetal development and environmentally determined abnormalities. Describes several abnormalities and enzyme deficiency diseases. Contains a fanciful epilogue on genetic engineering which is unsuitable for student use. Illustrations are almost too vivid.
BK 166 pp.

Secondary; Adult
Birth Defects; Human Genetics

HUMAN REPRODUCTIVE PHYSIOLOGY

Hafez, E. S. E., ed.
Ann Arbor Science 1978

Points out the effect of genetics and chromosomal abnormalities in relation to reproductive failure. Although general in scope so as to cover all phases of the reproductive system and causes for failure, it does include brief comments on disorders such as Klinefelter's and Down's syndrome.
BK 285 pp.

Professional

INTERNATIONAL DIRECTORY OF GENETIC SERVICES

Lynch, H. T. et al.
NFMD 1977

Lists research and clinical genetics units in hospitals, universities and research organizations throughout the world. The main listing is alphabetical by country and by state within the United States. Additional indexes provide access by director's name and by the type of genetic service rendered.
BK 58 pp.

Professional
Genetic Services; Birth Defects; Medical Genetics; Directories
Reproduction; Chromosome Abnormalities

AN INTRODUCTION TO MEDICAL GENETICS

Roberts, J. F., and Pembrey, M. E.
Oxford U. Pr. 1978

Explains the principles of medical genetics with examples, photographs, and diagrams. Explores dominant, recessive, intermediate, sex-linked, and multifactorial inheritance. Also covers genetic

linkage, chromosomal abnormalities, molecular genetics and hemoglobinopathies. An expanded section describes genetics of blood groups and tissue types. Concludes with advice on patient counseling. Covers consanguineous marriages in depth.
BK 324 pp.

College; Professional
Medical Genetics

THE INVISIBLE CHAIN
Jolly, E.
Nelson-Hall 1972

Explores the genetic basis of health and disease in lay terms. Discusses single gene disorders as well as diseases with multifactorial etiologies. Diseases covered include: diabetes mellitus, arthritis, disorders of the eye, epilepsy, mental retardation, and birth defects in general.
BK 218 pp.

Adult
Human Genetics; Genetic Diseases

IS MY BABY ALL RIGHT?
Apgar, V., and Beck, J.
Trident 1973

Describes the clinical manifestations of numerous birth defects in lay terms. Mentions genetic and environmental factors causing these disorders. Information on how parents can cope with children with various defects is stressed.
BK 355 pp.

Adult
Birth Defects

JOURNEY
Massie, R., and Massie, S.
Knopf 1975

Recounts authors' struggle against their son's hemophilia, detailing medical, psychological, economic crises of their life. Documents their courage and determination in meeting the challenges of the disease. Argues for federal financing of chronic diseases. Includes an appendix on the genetics of hemophilia; a typographical error obscures the point that none of a hemophiliac's sons will have the disease.
BK 417 pp.

Adult

Hemophilia; Personal Narratives

KNOW YOUR GENES

Milunsky, A. M.

HM 1977

Argues that because it is possible to prevent many hereditary disorders one has the right to know one's genetic make-up, including risks and options involved. Amniocentesis, prenatal diagnosis, genetic counseling and artificial insemination by donor are discussed along with ethics, morality, law, and prenatal diagnosis. Biochemical diseases that can be diagnosed prenatally are listed in the appendix.

BK 335 pp.

Adult

Medical Genetics; Prenatal Diagnosis; Genetic Counseling

LEGISLATIVE BASE: MATERNAL AND CHILD HEALTH PROGRAMS

BCHS 1975

DHEW Pub. No. (HSA) 78-5221

Outlines legislation applicable to maternal and child health programs. General provisions of Titles II, V, XI, XIX of the Social Security Act are presented along with rules and regulations. Portions of the Sudden Infant Death Syndrome Act and the Civil Rights Act are also included. Compiled by the Office of Maternal and Child Health which administers Title V and portions of the Sudden Infant Death Syndrome Act of 1974.

BK 82 pp.

Adult; Professional

Legislation; Maternal and Child Health

LIVING WITH HEMOPHILIA

Jones, P.

Davis Co. 1974

Outlines the anatomy and functions of the human body and explains how bleeding is normally controlled. Discusses the genetics of the hemophilias, their manifestations, and management both at home and in the hospital or hemophilia center. Considers the social, psychological, educational, and vocational aspects of the disease. Addresses the questions and anxieties which may arise in the minds of patients and their families, and makes an

effort to dispel the myths which previously surrounded hemophilia.
BK 177 pp.

Professional; Adult
Hemophilia

MEDICAL GENETICS; PRINCIPLES AND PRACTICE

Nora, J., and Fraser, F. C.
Lea & Febiger 1974

Outlines the genetic basis of heredity as a foundation for a detailed discussion of problems in clinical genetics. Diagnostic criteria and general methods of treatment are dealt with in sufficient detail for use in family counseling. Includes chapters on prenatal diagnosis, somatic cell genetics, dermatoglyphics, and multifactorial inheritance. Summary tables of selected syndromes and disorders are included.
BK 399 pp.

College; Professional
Medical Genetics

MENDELIAN INHERITANCE IN MAN

McKusick, V. A.
Johns Hopkins 1978

This book is a compilation of the recessive, dominant, and X-linked diseases that have been described. Provides clinical descriptions, pertinent research data, and references.
BK (5th ed.) 976 pp.

Professional
Genetic Diseases

MENTAL RETARDATION: PRENATAL DIAGNOSIS AND INFANT ASSESSMENT

Douglas, C. P., and Holt, K. S., eds.
Butterworths 1972

Documents the proceedings of two symposia on the prenatal diagnosis and assessment of infants suspected of being mentally retarded. Examines research in the areas of prenatal diagnosis of chromosomal and metabolic disorders, fetal audiometry, and assessment of the fetal environment. Other topics presented include the strategy and validity of early assessment

methods for neurological dysfunction and overall developmental assessment at birth. Participant discussion follows each section.
BK 64 pp.

Professional
Prenatal Diagnosis; Mental Retardation

MODERN TRENDS IN HUMAN GENETICS

Emery, A. E. H., ed.
Butterworths 1975

Focuses on advances in cytogenetics, clinical and population genetics. Examines the effects of exposure to radiation and clarifies environmental factors in the etiology of human congenital malformations. Clinically oriented topics include estimation of recurrence risks for genetic counselors, treatment of genetic diseases, the immunogenetics of leukemia, and artificial insemination.
BK 499 pp.

Professional
Human Genetics; Genetic Counseling; Cytogenetics; Population Genetics

MOLECULAR GENETICS; AN INTRODUCTORY NARRATIVE

Stent, G. S., and Calendar, R.
W. H. Freeman 1978

Presents the essentials of molecular genetics in the historical sequence in which the discipline evolved, tracing the growth of the field from the 1940s to the present. Outlines the basic principles of genetics and then details the physical basis of genetic information. Includes chapters on translation, transcription, recombination, conjugation, transformation and metabolism.
BK 773 pp.

College; Professional
Molecular Genetics

THE MONGOLOID CHILD: RECOGNITION AND CARE

Wunderlich, C.
Univ Ariz 1977

Thorough treatment of the history, causes, development and nature of Down's Syndrome. Describes the pathogenesis, etiology, and phenotype of Down's syndrome in detail. Examines the genetic abnormalities

involved and suggests extensive medical, psychological, educational, environmental and sociological methods for caring for the Down's Syndrome patient.
BK 184 pp.

Professional; Adult
Down's Syndrome

NUTRITION, TIME AND MOTION IN METABOLISM AND GENETICS

Webb, S. J.
Thomas 1976

Concerned with the effects of nutrition on genetic continuity and proposes a theory for using nutrition to control metabolism. Covers nutrition and metabolic association of DNA; effects of chemicals and nutrition on the structure of DNA; rate of synthesis of cell components; and the effects of ultraviolet light, radiation, and microwave absorption on cells and metabolic events.
BK 426 pp.

Professional
Biochemical Genetics; Nutrition

ORAL FACIAL GENETICS

Stewart, R., and Prescott, G., eds.
Mosby 1976

Contributions of seventeen geneticists discuss the genetics of normal and abnormal craniofacial development. Reviews the information currently available concerning the genetic factors influencing disturbances in oral and facial structures: dental diseases; immunological and mucocutaneous disorders; errors of metabolism and blood disorders; cytogenetic anomalies; cleft lip and cleft palate and other facial dysmorphic syndromes.
BK 680 pp.

Professional
Dental Genetics

ORAL MANIFESTATIONS OF INHERITED DISORDERS

Sedano, H. O. et al.
Butterworths 1977

Presents descriptions of the normal clinical appearance of the oral cavity and focuses on systemic inherited disorders with dental, oral, jaw bone, or perioral soft tissue involvement. Four genetic

diseases affecting only calcified dental tissue are also discussed as well as disorders associated with facial clefting. Summarizes differential oral diagnostic features for each genetic disorder. Illustrates the need for genetic counseling for selected orodental disorders.
BK 214 pp.

Professionals
Dental Genetics; Medical Genetics; Genetic Counseling; Genetic Diseases

THE ORIGIN OF GENETICS; A MENDEL SOURCE BOOK

Stern, C., Sherwood, E. R., eds.
W. H. Freeman 1966

Contains English translations of Gregor Mendel's two classic papers in which he presents his experimental data and develops the laws governing inheritance of individual traits. Also reprinted are Mendel's letters to botanist C. Nageli and the first reports of the independent and simultaneous rediscovery of Mendelism. Additional material relating to the rediscovery is also included.
BK 179 pp.

Professional; Adult
Genetics;
Mendel, Gregor

PERSPECTIVE IN HUMAN REPRODUCTION SERIES - See

Aging and Reproductive Physiology

PHENYLKETONURIA AND SOME OTHER INBORN ERRORS . . .

Bickel, H. et al., eds.
Thieme 1971

Papers presented at the 1969 Heidelberg Symposium on the background and history of phenylketonuria, the overall clinical picture, genetics and biochemistry. Presents a comprehensive description of the disease from a practical as well as scientific viewpoint. Discusses the variant forms of PKU, the maternal effect, and the newborn screening of infants. Includes a large section on treatment of the disorder, and a section on the anatomy and physiology of phenylketonuria patients.
BK 336 pp.

Professional

Phenylketonuria; Metabolism, Inborn Errors

PREVENTION OF EMBRYONIC, FETAL, AND PERINATAL DISEASE

Brent, R. L., and Harris, H. I., eds.

Fogarty 1976

DHEW Pub. No. (NIH) 76-853

Covers incidence and economics of fetal and perinatal diseases; stresses concepts of disease prevention and management. Environmental factors and psychosocial aspects are discussed. Provides incidence data for selected diseases. Prepared by the Committee on Prevention of Fetal and Perinatal Diseases; concludes with recommendations for training, education, legislation and clinical and research programs. Fogarty International Center Series on Preventive Medicine, v.3.

BK 411 pp.

Professional

Fetal Diseases; Genetic Diseases

PRINCIPLES OF HUMAN GENETICS

Stern, C.

W. H. Freeman 1973

Describes modes of transmission of hereditary traits and methods used to determine these in specific cases. Principles of human cytogenetics are discussed. Surveys the action of genes in developmental and metabolic processes. Detailed discussions on the effects of the environment on gene expression, genetic aspects of sex, and mutation are presented. Includes medical genetics and genetic aspects of race.

BK (3rd ed.), 891 pp.

College

Human Genetics

RARE INBORN ERRORS OF METABOLISM IN CHILDREN WITH MENTAL RETARDATION

O'Brien, D.

BCHS 1970

Pub. Hlth. Ser. No. 2049

Describes and delineates over 70 retardation syndromes caused by disturbances of amino acid metabolism. Contemporary as of 1970. Examines diagnostic technical procedures for identifying disease states.

BK 125 pp.

Professional

Mental Retardation; Metabolism, Inborn Errors

RETINITIS PIGMENTOSA: CLINICAL IMPLICATIONS OF CURRENT RESEARCH

Landers, H. B. et al.

Plenum Pr. Plenum Pub. 1977

Collection of symposium papers dealing with research into the genetics, diagnosis, and management of retinitis pigmentosa. Describes the social services provided for the visually impaired in North Carolina including genetic counseling programs offered in the state. Describes the animal models used in retinitis pigmentosa research and discusses the association of trace metals with X-linked retinitis pigmentosa. Stresses current trends in therapy. Symposium sponsored by the Association for Research in Vision and Opthalmology. Advances in experimental medicine and biology, v. 77.

BK 267 pp.

Professional

Retinitis Pigmentosa; Conferences; North Carolina

THE SAFETY AND ACCURACY OF MID-TRIMESTER AMNIOCENTESIS

Lowe, C. et al.

NIH 1978

DHEW Pub. No. (NIH) 78-190

Presents the experimental design and results of a study on the risks of second-trimester amniocentesis. Discusses procedural problems and maternal complications associated with amniocentesis. Characteristics of the sample under study and metabolic and cytogenetic evaluations are described. Includes extensive charts and tables, case summaries of fetal losses, and a brief historical review of the use of amniocentesis as a research and diagnostic tool.

BK 121 pp.

Professional

Prenatal Diagnosis; Amniocentesis; Genetic Diseases; Registries

SEARCH FOR THEIR FUTURE, OUR RETARDED CHILDREN

Gayeski, J., and Gayeski, D.

Wallace 1965

Documents the experiences of a young couple who have two children with phenylketonuria. Focuses on

the problems parents encounter as they search for educational training programs for their children. Traces the children's growth from infancy to adolescence and describes their social problems and hyperactive behavior. Makes a plea for children's educational rights and includes a copy of the Children's Charter.
BK 113 pp.

Adult
Mental Retardation; Phenylketonuria; Personal Narratives

TAY-SACHS DISEASE: SCREENING AND PREVENTION

Kaback, M. et al., eds 1977
Liss

A comprehensive collection of papers on community screening and prevention of Tay-Sachs Disease (TSD) covering the religious and moral aspects of carrier screening, prenatal diagnosis, counseling, and legal perspectives. The problem of laboratory quality control, the possible selective advantage of the TSD gene and the genetic variants are discussed. Community based genetic education programs are evaluated. Progress in Clinical and Biological Research, v. 18
BK 433 pp.

Professional
Tay-Sachs Disease; Genetic Counseling; Community Genetic Screening

TEACHING GENETICS IN SCHOOL AND UNIVERSITY

Darlington, C. D., and
Bradshaw, A. D., eds.
Phil Lib 1963

A collection of papers on teaching classical genetics at the university and secondary levels. Presents laboratory exercises and lecture topics in plant and animal genetics. Includes model examination.
BK 117 pp.

Professional
Genetic Education; Human Genetics

TERATOLOGY AND CONGENITAL MALFORMATION

Weinstein, L.
IFI Plenum 1976

Compiled from Lederle Laboratories Teratogenicity, Mutagenicity, and

Carcinogenicity current awareness bulletins from 1963 to 1973, plus some earlier references. Volume I is a bibliography and Volumes II and III a KWIC index. Citations range from experimental to clinical, with an emphasis on the former. Stresses environmentally, drug, and chemically induced malformations, but does include some genetically related material.
BK 3 v.

Professional
Teratogens; Bibliographies

UNDERSTANDING INHERITED DISORDERS
Whaley, L. F.
Mosby 1974

Written for health care workers, deals with the basic concepts of genetics as applied to health sciences. Uses a textbook format. Stresses the mechanisms of gene transmission and classifications of genetic diseases. Genetic and environmental influences on human development are discussed. Describes immunogenetics and management of inherited disorders. Appendixes include information on dermatoglyphics. Contains brief but adequate clinical descriptions of many genetic diseases.
BK 219 pp.

Professional
Human Genetics; Genetic Diseases; Dermatoglyphics

YOUNG CHILDREN WITH DOWN'S SYNDROME
Carr, J.
Butterworths 1975

Presents the results of a study on the early development of children with Down's syndrome, their upbringing and the effect on the family. The first part of the book describes the development of the children as indicated by test results; the second part relates the results of interviews with the mothers of Down's children and explores the problems encountered by their families. Examines the physical growth process and the development of intelligence and personality. Behavior and discipline problems as well as services provided for the family are also discussed. Includes comparisons between home-reared and institutionalized Down's syndrome children.

BK 169 pp.

Professional; Adult
Down's Syndrome

YOUR GENES AND YOUR DESTINY
Greenblatt, A., and Greenblatt, I.
Bobbs 1979

Focuses on coronary disease, high blood pressure, diabetes and obesity. Explores the interaction of inheritance, environment, and lifestyle in the development of these disorders. The genetic, social and psychological aspects of aging are discussed. Concludes that genetic contribution alone is not human destiny; medical science and the individual can possibly ward off many diseases and increase their life span.
BK 226 pp.

Adult
Medical Genetics; Multifactorial Diseases

YOUR HEREDITY AND ENVIRONMENT
Scheinfeld, A.
Lippincott 1965

Briefly outlines genetics in non-technical language before discussing the inheritance of normal physical characteristics. Examines the development of psychological and social traits. Considers the evolution of the human races and the controversial aspects of heredity and environment. Somewhat dated treatment of genetic diseases, particularly regarding carrier detection, prenatal diagnosis, amniocentesis and genetic counseling.
BK 830 pp.

Adult
Human Genetics; Environment

BROCHURES

ANTENATAL DIAGNOSIS AND DOWN'S SYNDROME

NICHD

NICHD 1974

DHEW Pub. No. (NIH) 74-538

Describes in clinical terms the relationship between Down's Syndrome and advanced maternal age. Lists the current prenatal diagnostic techniques and the risks involved in amniocentesis. Includes a section on what the parents can expect if they have a child with Down's Syndrome. Delineates recurrence risks, translocations and mosaicism.

BR 16 pp.

Professional; Adult

Prenatal Diagnosis; Amniocentesis

AROUND THE CLOCK AIDS FOR THE CHILD WITH MUSCULAR DYSTROPHY

MDA

MDA 1977

Offers practical advice on the daily care of the dystrophic child. Includes techniques for sitting up, getting in and out of bed, grooming, dressing and eating. Stresses the importance of providing support without overprotection. The emotional needs of the child and his family are also emphasized.

BR 31 pp.

Adult

Muscular Dystrophy

BIRTH DEFECTS – TRAGEDY AND HOPE

NFMD

NFMD 1977

Describes various birth defects including twenty which have a genetic basis. A brief description of the nature and cause of each is given. Discusses the Birth Defects Computer Information System which provides diagnostic information to physicians. Genetic, environmental, and maternal factors in birth defects are stressed as well as genetic aberrations, treatment, and prevention.

BR 24 pp.

Professional; Adult

Birth Defects; Genetic Diseases; Genetic Services

BUREAU OF COMMUNITY HEALTH SERVICES PROGRAMS

BCHS

BCHS 1978

DHEW Pub. No. (HSA) 78-5002

A guide to the programs of the Bureau of Community Health Services. Includes information on the Genetic Disease Program which supports a variety of genetic screening, educational, and counseling programs in addition to supporting the National Clearinghouse for Human Genetic Diseases. Lists U.S. Department of Health, Education, and Welfare Regional Offices.

BR 30 pp.

Adult

Health Services; Genetic Services

CALIFORNIA LAWS RELATING TO GENETIC DISORDERS

California Dept. of Health

CaDHS 1977

The Hereditary Disorders Act and the Crippled Children's Services Act from the California Health and Safety Code. Covers general policies and specific criteria for prenatal testing, the Adult Cystic Fibrosis Program, sickle cell anemia, and the Genetically Handicapped Person's Program. Includes related California Civil Code chapters, and sections from the State's Insurance Code outlawing discrimination against carriers of defective genes.

BR 31 pp.

Professional

Legal Medicine; Genetic Services; Genetic Diseases

CARING FOR THE CHILD WITH FAMILIAL DYSAUTONOMIA

Axelrod, F. B., and Bloom, J.

DFI 1975

Discusses problems parents encounter in caring for their child with dysautonomia. Presents the dysautonomic patient's medical problems from infancy to adulthood. Focuses on the procedures and techniques helpful for managing the following: respiratory problems, vomiting, dietary restrictions, eye and spinal problems, and high fever. Designed as a parents' handbook.

BR 47 pp.

Professional; Adult

Dysautonomia

CLEFT LIP AND CLEFT PALATE

Apgar, V., and Beck, J.

NFMD 1972

Describes the clinical manifestations of cleft lip and cleft palate. Genetic and environmental factors in the etiology of the disease are mentioned. Examines in detail the relationship between cleft lip and cleft palate. Discusses the feeding process, surgery, and related handicaps.

BR 24 pp.

Adult

Cleft Palate; Cleft Lip

CLINICAL PROGRAMS FOR MENTALLY RETARDED CHILDREN

Hormuth, R. P.

BCHS 1978

DHEW Pub. No. (HSA) 78-5291

Provides a state by state listing of programs offering diagnostic services for retarded children. Clinics listed are outpatient facilities which provide diagnostic, management, and follow up services for children suspected of being mentally retarded. Each entry includes address of clinic, director's name, geographical area served, sponsor, and appointment hours.

BR 43 pp.

Professional; Adult

Mentally Retarded Citizens Services; Directories; Mental Retardation

CLUBFOOT AND CONGENITAL DISLOCATION OF THE HIP

Apgar, V., and Beck, J.

NFMD 1972

Describes clubfoot and congenital dislocation of the hip in lay terms. Delineates the sex effect, treatment and genetics of the disorders. Indicates the frequency and multifactorial nature of these birth defects. Includes a directory of organizations concerned with birth defects.

BR 20 pp.

Adult

Clubfoot; Hip Dislocation, Congenital

COMPREHENSIVE CARE FOR THE PERSON WITH HEMOPHILIA

Dietrich, S. L.

NHF 1977

Focuses on the comprehensive hemophilia treatment center providing continuing supervision of all medical and social aspects affecting the patient and his family. Staffing, physical and laboratory facilities, patient education, record keeping and financial support are discussed. Stresses that "almost all persons with hemophilia, given adequate care, can become self-supporting, self-sustaining individuals."

Treatment of Hemophilia Series

BR 13 pp.

Professional

Hemophilia

CONTEMPORARY GENETIC COUNSELING

Bergsma, D. et al.

NFMD 1973

A collection of articles on various aspects of genetic counseling. Provides a summary of the development of genetic counseling in medicine, reviews the functions of genetic counselors, reviews methods for determining risks, provides recommendations for who should do genetic counseling, and discusses the impact of the law on genetic counseling.

BR 47 pp.

Professional

Genetic Counseling

CYTOPLASMIC INHERITANCE

Links, J. L.

Oxford U Pr 1976

CBSC

Outlines inheritance which does not obey the laws of Mendelian genetics, but rather is determined by elements occurring in the cytoplasm of the parent. Covers somatic segregation, mutation, location and nature of cytoplasmic genes, and chromosomal-cytoplasmic relationships.

BR 16 pp.

College; Secondary

Cytogenetics

DENTAL CARE IN HEMOPHILIA

Evans, B. E.

NHF 1977

Provides the information needed by the dentist to properly treat the hemophiliac patient. Reviews the essential facts about hemophilia and then considers the disorder in relation to dental care. Topics covered include: patient evaluation, preventive dentistry, pain control, general dental treatment and oral surgery. Treatment of Hemophilia Series

BR 16 pp.

Professional

Hemophilia; Dental Health

DIET MANAGEMENT OF PKU FOR INFANTS AND PRESCHOOL CHILDREN

Acosta, P. B., and Wenz, E.

BCHS 1977

DHEW Pub. No. (HSA) 78-5209

Provides information to nutritionists, dietitians, and parents on diet treatment for infants and pregnant women with phenylketonuria. Describes a method for calculating a phenylalanine-restricted diet and outlines management problems. Presents methods for teaching a phenylalanine restricted diet to parents. Written in clinical terms, but suitable for parents. Includes charts and tables of food with phenylalanine content (mg), protein (g), and energy (kcal) noted.

BR 30 pp.

Professional; Adult

Phenylketonuria

DIRECTORY OF ORGANIZATIONS AND GENETIC CONTACTS

UWiGC

UWiGC 1978

Lists national and Wisconsin organizations providing services for the disabled, including those with genetic disorders. A second listing arranged by county gives the names of individuals throughout Wisconsin trained to provide information about, and referral to, the prenatal and clinical genetics services available in the state.

BR 15 pp.

Adult

Genetic Services; Directories; Wisconsin

DYSAUTONOMIA

DFI

DFI (nd)

Describes in very basic language the problems encountered by a young girl with dysautonomia. Written for young children to familiarize them with genetic diseases in general and dysautonomia in particular.
BR 11 pp.

Primary; Intermediate; Adult

Dysautonomia

ETHICAL ISSUES ARISING IN THE GENETIC COUNSELING RELATIONSHIP

Lebel, R. R.

NFMD 1978

Traces the history of human genetics and genetic counseling. Stresses that genetic counseling involves clinical, and social science skills. Examines directive vs. non-directive counseling and lists the functions of a genetic counseling clinic. Moral problems confronted by parents and counselors are discussed. Mentions competition between M.D. and non-M.D. groups in genetic activities.

Birth Defects - Original Article Series

BR 47 pp.

Professional

Genetic Counseling; Medical Genetics

EXPERIENCES OF A HUNTINGTON'S DISEASE PATIENT

Nee, L. E.

CCHD (nd)

The story of a patient with Huntington's Disease (H.D.) as told by the patient. This personal narrative relates the early life experiences before onset of H.D. and the patient's family experiences after onset of the disease. Stresses how to cope with the disease and with the emotional aspects of raising a family with a history of H.D. Probes various methods of dealing with children who may or may not become afflicted with the disease later in life. Points out that informed patients may diagnosis the disease long before their physician.
BR 12 pp.

Adult

Huntington's Disease; Genetic Counseling; Personal Narratives

FACTS ABOUT BIRTH DEFECTS

San Diego R.C.

San Diego R.C. (nd)

Provides an overview of the types, severity, and frequency of birth defects. The effects of X-rays, viruses, and maternal age on the incidence of birth defects is explored. What it means to be a carrier of a genetic disorder is explained. Available in English or Spanish.

BR 12 pp.

Adult

Birth Defects

FACTS ABOUT MONGOLISM FOR WOMEN OVER 35

NICHD

NICHD 1974

DHEW Pub. No. (NIH) 77-536

Describes in layman's terms the relationship between Down's Syndrome and advanced maternal age. Discusses the prognosis of a child with Down's, including expected IQ and susceptibility to diseases. Genetic counseling and options for women over thirty-five are presented. Uses the term "mongolism" instead of "Down's Syndrome."

BR 16 pp.

Adult; College; Secondary

Down's Syndrome

FACTS '78 – MARCH OF DIMES

O'Connell, P., ed.

NFMD 1977

Provides general information and facts on the National Foundation - March of Dimes. Delineates the causes and treatment of birth defects. Reviews the Foundation's various research, education, volunteer, and medical service programs.

BR 46 pp.

Adult

Birth Defects

FAMILIAL DYSAUTONOMIA

Brunt, P. W., and McKusick, V. A.
Williams and Wilkins 1970

A report of genetic and clinical studies with a review of the literature. Presents data from over 170 pedigrees. Distributed in pamphlet form by the Dysautonomia Foundation, Inc.
BR 31 pp.

Professional
Dysautonomia

GENE EXPRESSION DURING CELL DIFFERENTIATION

Gurdon, J. F.
Oxford U Pr 1978
CBSC
Discusses the characteristics of cell differentiation, the levels of gene control, the nature of the cell components that regulate gene expression, and the ways in which cell components interact with the genes. Oxford/Carolina Biology Readers Series
BR (2nd ed.) 32 pp.

College; Secondary
Molecular Genetics

GENETIC COUNSELING

Selwyn, A.
NFMD (nd)

Defines and describes genetic counseling and the need for this service. Delineates genetic diseases that are late-appearing, genes, chromosomes, and modes of inheritance. Briefly mentions common mistakes in determining the odds of having defective children. Prenatal diagnosis and testing for carriers of genetic diseases are also discussed.
BR 22 pp.

Adult
Genetic Counseling

GENETIC COUNSELING

UMi-BP
UMi-BP (nd)

Summarizes the reasons for obtaining genetic counseling. Describes chromosomal disorders and, using diagrams, explains the dominant and recessive patterns of inheritance. The principles involved in sex determination are clarified.
BR 14 pp.

Adult

Genetic Counseling; Prenatal Diagnosis; Michigan

GENETIC DISORDERS: PREVENTION, TREATMENT AND REHABILITATION

Bickel, H. et al.

World Health Organization 1972

Covers epidemiology of genetic disease, prevention and treatment, resources for counseling, population effects of treatment and prevention, and future possibilities. Recommendations regarding centers, education, prenatal diagnosis, registries and research. Valuable appendices include charts on frequency of genetic disorders, hereditary diseases eligible for prenatal diagnosis, and proportion of genetic traits with effect on fitness. World Health Organization Technical Report Series No. 497.

BR 46 pp.

Professional; Adult

Genetic Diseases

THE GENETICS OF DUCHENNE'S MUSCULAR DYSTROPHY

MDA

UWi-WG (nd)

Clarifies the genetic mechanisms which may be involved in Duchenne muscular dystrophy and presents a detailed explanation of the genetic counseling process for those who may be at risk for the disorder. Topics discussed include: the possibility of determining carrier status, prenatal diagnosis and sex determination, and parental options.

BR 12 pp.

Adult

Muscular Dystrophy; Genetic Counseling

GUIDE TO HUMAN CHROMOSOME DEFECTS

Redding, A., and Hirschhorn, K.

NFMD 1968

Characterizes the normal human karyotype and describes the structure of the human chromosome. Focuses on the role of cytogenetics in medicine and the functions of the genetic counselor. The relationship between the Philadelphia chromosome and leukemia is

discussed. Describes prenatal diagnostic tests that are available and their use in diagnosing human chromosome abnormalities. Birth Defects Original Article Series

BR 16 pp.

Professional; Adult

Human Genetics; Cytogenetics; Chromosome Abnormalities

HEMOPHILIA: A BIBLIOGRAPHY OF MENTAL HEALTH AND SOCIAL SERVICE REFERENCES

Mould, P. C.

NHF 1977

Provides a listing of publications and papers published through June, 1976, related to the psychological and social aspects of comprehensive hemophilia care.

BR 14 pp.

Adult; Professional

Hemophilia; Bibliographies

THE HEMOPHILIAC CHILD IN SCHOOL

NHF

NHF (nd)

Reassures school personnel that the hemophiliac child is perfectly able to function in the normal school setting and, with few exceptions, to follow the regular program. Dispels unrealistic fears about the disorder and describes current techniques for its management. Information on what school personnel should do in case of a hemophiliac emergency is also given.

BR 12 pp.

Professional; Adult

Hemophilia

HOME THERAPY FOR HEMOPHILIA; A PHYSICIAN'S MANUAL

Agle, D. P. et al.

NHF 1977

Outlines the status of home transfusion of hemophiliacs; discusses its medical and psychological aspects. Provides guidelines for home transfusion, including methods of patient instruction, dosages and clotting factors available, methods for supervision and

evaluation. That "the greater participation of the patient demands a greater responsibility on the part of the physician" is stressed.

Treatment of Hemophilia Series

BR 17 pp.

Professional
Hemophilia

HUNTINGTON'S (CHOREA) DISEASE – HANDBOOK FOR HEALTH PROFESSIONALS

CCHD

CCHD 1974

A collection of reprints which examine Huntington's Disease from clinical, social, emotional, and ethical perspectives. Discusses the beneficial aspects of genetic and personal counseling, and therapy for patients with Huntington's Disease. Clarifies the roles of psychiatrists, ministers, and social workers.

BR 17 pp.

Professional
Huntington's Disease

HUNTINGTON'S DISEASE

NINCDS

NINCDS 1976

DHEW Pub. No. (NIH) 76-49

Describes the pattern of inheritance, causes and symptoms of Huntington's Disease. Social problems which may confront the patient and his family are discussed. Stresses the role of basic research in understanding, diagnosing and treating the disorder. Research supported or conducted by the National Institute of Neurological Diseases and Stroke and the National Institute of Mental Health is reviewed.

BR 25 pp.

Adult
Huntington's Disease

IDENTIFICATION AND MANAGEMENT OF SELECTED DEVELOPMENTAL DISABILITIES

Russell, F. F.

BCHS 1976

DHEW Pub. No. (HSA) 76-5404

Describes the genetic aspects of mental retardation, including inborn errors of metabolism. Includes dietary treatment for patients with phenylketonuria. Other topics presented are: the importance of early mothering,

neurological evaluation of children, developmental screening, and behavior modification.
BR 35 pp.

Professional; Adult
Mental Retardation; Metabolism, Inborn Errors; Phenylketonuria

MDA SERVICES TO THE PATIENT, THE FAMILY, THE COMMUNITY

MDA
MDA (nd)

Sketches the history of the Muscular Dystrophy Association and then enumerates the patient, clinical and community services that it provides. The major types of muscular dystrophy and related diseases included in the MDA program are described. Concludes with a list of MDA clinics in the United States and territories.
BR 39 pp.

Adult
Muscular Dystrophy; Neuromuscular Diseases; Directories

MILESTONES IN MUSCLE DISEASE RESEARCH

Ogg, E.
MDA 1971

Traces the history of research and clinical discoveries in muscle disease documenting the nineteenth century contributions of Duchenne, Charcot, Erb, et al. Discusses the many advances made in the first half of the twentieth century. The founding of the Muscular Dystrophy Association, and the Institute for Muscle Disease are recorded.
BR 16 pp.

Adult
Neuromuscular Diseases; Muscular Dystrophy

MINIMAL BRAIN DYSFUNCTION

Apgar, V., and Beck, J.
NFMD 1972

Describes and examines a collection of disorders termed minimal brain dysfunction. Includes dyslexia, perceptual handicaps, hyperkinetic disorders, Strause's syndrome and others. Learning disabilities due to minimal brain

dysfunction are examined and possible genetic causes described briefly.
BR 22 pp.

Adult
Minimal Brain Dysfunction

MUSCULAR DYSTROPHY; HOPE THROUGH RESEARCH

NINCDS
NINCDS 1976
DHEW Pub. No. (NIH)76-77
Describes the various kinds of muscular dystrophy and the early signs and progression of the disorders. Although there is no known cure, various management and self-help techniques are discussed. Stresses the advances that have been made in understanding the disease and the need for continued research.
BR 22 pp.

Adult
Muscular Dystrophy

MY CHILD HAS DOWN'S SYNDROME

Handmaker, S. D. et al.
CRDMS 1977

Addresses informational and emotional needs of parents with a Down's Syndrome infant. Uses a question and answer format to explain in simple terms the causes and nature of the disorder. Parents' concerns regarding development, degree of retardation and effects on the family are discussed. Suggests techniques which may help the affected child and concludes with a list of other resources.
BR 24 pp.

Adult
Down's Syndrome; California

NEUROBIOLOGY AND PHARMACOLOGY OF HUNTINGTON'S DISEASE

Enna, S. J. et al.
NIH 1977
DHEW Pub. No. (ADM)77-490
Summarizes the clinical, neuropathological, neurochemical and pharmacological features of Huntington's Disease. Special emphasis is placed on recent clinical research findings. Guidelines for management of patients

with Huntington's Disease are outlined. Reprinted from Life Sciences, Volume 20, Number 2.
BR 18 pp.

Professional
Huntington's Disease

THE NEW HUMAN GENETICS

Pines, M.
NIGMS 1976
DHEW Pub. No. (NIH)76-662
Describes how the National Institute of General Medical Science's new human cell culture lines are used in human genetic research. A brief historical review of the development of the science of human genetics is presented. Examines cytogenetic and biochemical genetic research in progress. Includes drawings of banded human chromosomes as well as diagrams demonstrating man-mouse cell hybridization laboratory techniques. Briefly mentions the hazards involved in growing mutant cell lines.
BR 49 pp.

Professional; Adult
Human Genetics; Cytogenetics

NEWBORN SCREENING FOR GENETIC-METABOLIC DISEASES

Holtzman, N. A.
BCHS 1977
DHEW Pub. No. (HSA) 77-5207
Presents recommendations, principles, and progress for metabolic genetic disorder newborn screening. Examines new developments in PKU screening programs in detail. Describes tests for other genetic disorders. Ethical and legal issues are delineated.
BR 22 pp.

Professional
Genetic Diseases; Newborn Screening

NORMAL VALUES FOR SELECTED PHYSICAL PARAMETERS: AN AID TO SYNDROME...

Feingold, M., and Bossert, W. H.
NFMD 1974

Provides descriptive measurements for aiding in syndrome identification. Lists ranges of normal values of the head circumference, ear length, low-set ears, hand and finger lengths, in addition to various other parameters.
BR 16 pp.

Professional
Syndromes; Normal Values

ORTHOPEDICS

Gilbert, M. S.
NHF 1975

Reviews hemophilic arthropathy including the clinical symptoms, radiologic findings, pathology, pathophysiology, and treatment of joint hemorrhage, along with conservative and surgical rehabilitation. Soft tissue hemorrhage, pseudotumor formation and fracture care are also discussed.
Treatment of Hemophilia Series
BR 13 pp.

Professional
Hemophilia; Orthopedics

OUR SICKLE CELL STORY

VaSC
VaSC 1975

Designed to communicate information on sickle cell anemia to elementary and middle school students. Defines the gene and describes the sickle cell (red blood cell). How different racial and ethnic groups are affected is discussed. Points out that sickle cell trait is not a disease.
BR 16 pp.

Elementary; Secondary
Sickle Cell Anemia; Sickle Cell Trait

PARENTS' GUIDE TO THE GALACTOSE RESTRICTED DIET

Ca. Dept. of Health
CaDHS 1976

Briefly defines galactosemia and describes its causes and symptoms. Contains lists of foods allowed and those forbidden on the galactose-free diet. Outlines a family food plan and gives a sample daily meal pattern and menu. Includes suggestions from other galactosemia parents.
BR 24 pp.

Adult
Galactosemia

THE PHENYLALANINE-RESTRICTED DIET RECIPE BOOK

Acosta, P. B.
CaBPHN 1966

Contains low-phenylalanine recipes for special occasions with an emphasis on bread and bread substitutes and desserts. Includes a brief list of special ingredients used, including PKU bread mix, and gives sources of supply.
BR 37 pp.

Adult
Phenylketonuria

PHYSICAL THERAPY IN HEMOPHILIA

Boone, D. C., and Spence, C. D.
NHF 1976

Reviews the clinical manifestations and current management of hemophilia. Discusses the role of the physical therapist as a member of the hemophilia treatment team. Topics covered include: musculoskeletal evaluation, therapeutic techniques, exercise, and hydrotherapy. Appropriate recreational activities and a home exercise program are outlined. Treatment of Hemophilia Series
BR 11 pp.

Professional
Hemophilia

PKU – A GUIDE TO MANAGEMENT

Acosta, P. B.
CaDHS 1972

Defines phenylketonuria and reviews its mode of inheritance and diagnosis. Gives guidelines for calculating and prescribing a phenylalanine-restricted diet and outlines recommended amounts of nutrients for PKU children. Covers the comprehensive follow-up care of the child and family. A list of PKU centers and consultants in California is included.
BR 43 pp.

Professional; Adult
Phenylketonuria; California

THE PRENATAL AND CLINICAL GENETIC SERVICES PROJECT

UWi-WG

UWi-WG (nd)

Provides information on some of the prenatal and clinical genetic services available in the state of Wisconsin. Services include: genetic evaluation, genetic counseling, prenatal diagnosis, carrier detection, teratologic evaluation and a resource information and referral center.
BR 16 pp.

Adult; Professional
Genetic Services; Genetic Counseling; Prenatal Diagnosis; Wisconsin; Directories

PREVENTION OF HEMOLYTIC DISEASE OF THE FETUS AND NEWBORN ...

Lin-Fu, J. S.
BCHS 1977
DHEW Pub. No. (HSA) 77-5208
Describes the pathogenesis and treatment of Rh hemolytic disease of the fetus in clinical terms. Genetic and immunological findings are presented. Elucidates the clinical application of Rh immunoglobin, Rh factor typing, dosage of Rh antibodies, and reactions to Rh antibody administration. Includes a history of clinical traits using Rh immunoglobin. Mortality and morbidity rates associated with Rh incompatibility are presented.
BR 22 pp.

Professional
Erythroblastosis, Fetal; Rh-factor; Immunogentics

RESEARCH TO IMPROVE HEALTH SERVICES FOR MOTHERS AND CHILDREN INTERNATIONAL MCH PROJECTS II

BCHS 1977
DHEW Pub. No. (HSA)77-5700
Summarizes six international research projects funded by the Bureau of Community Health Services. Included are studies of childhood mortality in Latin America and parts of the U.S. and Canada, and a comparison of premature and mature babies in Egypt. PKU screening in Poland, anemia during pregnancy in India, and two Israeli screening projects are also described.
BR 27 pp.

Professional

Maternal and Child Health; Health Services

SICKLE CELL ANEMIA; FACT BOOK

Scott, R. B.

VaSDH 1976

Defines sickle cell anemia in lay terms. Describes the complications which are known to occur in sickle cell patients. The molecular defect, the genetics, and the variants of the disease are examined. Explains diagnostic methods and discusses the needs of patients with sickle cell anemia. The importance of sickle cell anemia as a public health problem is explored.

BR 16 pp.

Adult

Sickle Cell Anemia; Sickle Cell Trait

SICKLE CELL ANEMIA, A MEDICAL REVIEW

Lin-Fu, J. S.

BCHS 1972

DHEW Pub. No. (HSA) 78-5123

Defines and describes sickle cell anemia in clinical terms. Presents the prevalence, genetics, pathophysiology, pathological findings, and clinical manifestations of the disorder. Discusses adult screening programs for heterozygote detection; stresses laboratory findings of patients and describes the difference between sickle cell trait and sickle cell anemia. Other red blood cell variants are also described.

BR 26 pp.

Professional

Sickle Cell Anemia; Sickle Cell Trait

SICKLE CELL FUNDAMENTALS

Bowman, J. E., and Goldwasser, E.

UCh 1975

NHLBI

Summarizes the clinical features and genetic basis for sickle cell disease and related hemoglobin genetic diseases. Includes a visual description of the hemoglobin molecule and the patterns of inheritance for the various hemoglobin genetic diseases. Describes the fundamentals of pedigree analysis. Diagnostic and current management techniques are delineated.

Emphasizes the fact that sickle cell is not exclusively a black disease.

BR 18 pp.

Adult

Sickle Cell Anemia; Sickle Cell Trait

SOME GENERAL BIOLOGICAL PRINCIPLES ILLUSTRATED BY THE EVOLUTION OF MAN

DeBeer, G.

Oxford U Pr 1971

CBSC

Examines the topics of morphology, population genetics and systematics, allometric growth, host specificity of parasites, molecular genetics, imperfections of adaptation, mosaic evolution, paedomorphosis, sexual selection, and psychological evolution as related to human evolution. Oxford/Carolina Biology Readers Series

BR 15 pp.

College; Secondary

Evolution; Molecular Genetics

SPINA BIFIDA – A BIRTH DEFECT; HOPE THROUGH RESEARCH

NINCDS

NINCDS 1976

DHEW Pub. No. (NIH)76-309

Examines the common symptoms and complications of the various forms of spina bifida. Possible causes of the disorder and methods of treatment are discussed. Outlines the research efforts of the National Institute of Neurological and Communicative Disorders and Stroke and gives names and addresses of related voluntary associations.

BR 11 pp.

Adult

Spina Bifida

SPINA BIFIDA AND HYDROCEPHALUS

Apgar, V., and Beck, J.

NFMD 1972

Examines clinical features of spina bifida and hydrocephalus in lay terms. These are presented using actual situations and families. Describes genetic counseling, amniocentesis, and the management of these disorders.

Briefly discusses genetic, prenatal, and environmental aspects of these defects.
BR 28 pp.

Adult; Secondary
Spina Bifida; Hydrocephalus

TRANSCRIPTION OF DNA

Travers, A. A.
Oxford U Pr 1974
CBSC

Discusses the methods used for investigating the process of transcription of DNA. Includes post-transcriptional modification of RNA, reversible control of transcription, control of RNA termination, and a brief explanation of transcription in eukaryotes.
BR 16 pp.

Secondary; College
Molecular Genetics; Genetic Code

UNDERSTANDING VON WILLEBRAND'S DISEASE

Handin, R. I., and Hilgartner, M. W.
NHF 1978

Presents the basic facts about von Willebrand's disease, a hereditary bleeding disorder affecting both males and females. The symptoms, modes of inheritance, diagnosis and treatment of the disorder are discussed.
BR 12 pp.

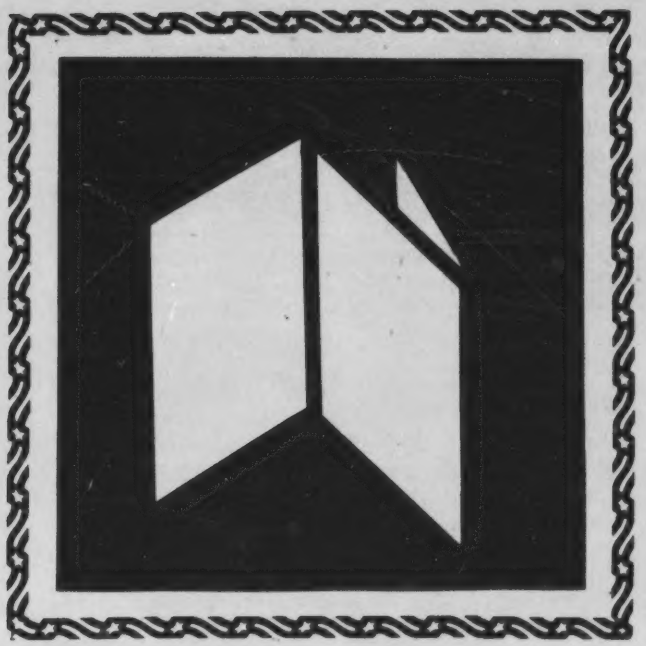
Adult
Von Willebrand's Disease

YOUR CHILD AND HEMOPHILIA; A MANUAL FOR PARENTS

Bittner, E. F.
Orthopedic Hosp. L.A. 1974
NHF

Provides information for parents on the nature, causes and treatment of hemophilia. Emphasizes the importance of comprehensive care, including medical and dental care, exercise and diet. The symptoms of bleeding and the treatment of bleeding episodes are discussed in some detail. Offers practical advice on safety measures, discipline, schooling, and emotional growth.
BR 15 pp.

Adult
Hemophilia



PAMPHLETS

ADULT PROGRESSIVE SPINAL MUSCULAR ATROPHY OR ARAN-DUCHENNE DISEASE

MDA

MDA 1978

Describes Aran-Duchenne disease, a slowly progressive neuromuscular disorder of adults. Possible causes of the disease are mentioned. Related Muscular Dystrophy Association supported research is outlined.
PA 4 pp.

Adult
Aran-Duchenne Disease

AMNIOCENTESIS

MWH

MWH 1976

Defines and describes the process of amniocentesis for the lay public. Presents how the information obtained from amniocentesis provides information to the physician in deciding the management of a patient with a high risk pregnancy. Mentions the mechanism of sex determination and complications in premature births.
PA 8 pp.

College; Adult
Amniocentesis; Prenatal Diagnosis

AMNIOCENTESIS AND FETAL GENETIC DIAGNOSIS IN ATLANTA

CDC

CDC 1976

Defines informed consent, chromosomes, amniocentesis, sonography, and fetal chromosome diagnosis. Focuses on the use of amniocentesis for detecting chromosomal abnormalities and certain other genetic diseases. Presents information on where to get genetic counseling in the Atlanta area.
PA 6 pp.

Adult
Amniocentesis; Georgia

ARE YOU POSITIVE ABOUT YOUR RH BLOOD FACTOR?

NFMD

NFMD (nd)

Explains the genetics of Rh disease. Examines methods of therapy for mothers who are Rh negative and give birth to children who are Rh positive. The

need for every couple to know that Rh disease is preventable is stressed.
PA 8 pp.

Adult
Rh-factor

BENIGN CONGENITAL HYPOTONIA; FACT SHEET

MDA
MDA 1978

Relates the essential facts concerning benign congenital hypotonia, a heritable neuromuscular disorder of infants characterized by weak and floppy muscles. Age of onset and the pattern of inheritance are discussed. Briefly describes related neuromuscular and metabolic research supported by the Muscular Dystrophy Association and where to obtain further information on this disease.
PA 4 pp.

Adult
Benign Congenital Hypotonia; Amyotonia Congenita

BIRTH DEFECTS AND GENETIC COUNSELING

VaSDH
VaSDH (nd)

Presents general information on birth defects such as, where to go for genetic testing and counseling in the state of Virginia, and who should seek such help. Points out that birth defects may be inherited or caused by environmental factors such as German measles. Recommends genetic counseling for persons with a history of birth defects in their family, those with infants with a genetic disease, and women with advanced maternal age.
PA 5 pp.
Adult
Genetic Counseling; Birth Defects; Virginia

BIRTH DEFECTS AND GENETIC DISEASE PROGRAM

UMiHSR
UMiHSR 1977

Describes the Birth Defects and Genetic Disease Program at the University of Michigan Medical Center. Information on the

genetic counseling services in various medical departments is presented. Chromosome analysis, prenatal diagnosis, dysmorphic syndromes, endocrine disorders are some of the diagnostic areas addressed by the Michigan Medical Center.
PA 8 pp.

Professional
Genetic Services; Birtn Defects; Michigan

CAN GENETIC COUNSELING HELP YOU?

NGF
NGF (nd)

Summarizes the various aspects of a genetic counseling session, including the questions most often asked by clients, the general procedures to expect, and the possible fees involved. The prevalence of genetic diseases in the United States is also discussed.
PA 4 pp.

Adult
Genetic Counseling

CHARCOT-MARIE-TOOTH DISEASE OF PERONEAL MUSCULAR ATROPHY; FACT SHEET

MDA
MDA 1978

Presents the basic facts concerning Charcot-Marie-Tooth Disease, a heritable progressive neuromuscular disorder which affects both children and adults. Describes the early signs of the disease, its causes and pattern of inheritance. Related research supported by the Muscular Dystrophy Association is outlined.
PA 4 pp.

Adult
Charcot-Marie-Tooth Disease

CHART OF DIFFERENTIAL DIAGNOSTIC CHARACTERISTICS OF THE PRIMARY...

MDA
MDA 1971

Lists the major neuromuscular diseases and gives for each alternate names, type of inheritance,

age of clinical onset, initial symptoms, progression and treatment, if known. Brief mention is also made of related disorders included in the MDAA's patient service program.

PA 1 pp.

Suppl. to Milestones in Muscle Disease Research, by E. Ogg.

Professional

Muscular Dystrophy; Neuromuscular Diseases

CHROMOSOME 21 AND ITS ASSOCIATION WITH DOWN'S SYNDROME

NFMD

NFMD (nd)

Explains the three types of chromosomal abnormalities -- standard trisomy, translocation trisomy and mosaicism -- which may produce Down's Syndrome. Clinical symptoms of the disorder are described and characteristic handprints illustrated.

PA 6 pp.

Adult; Professional

Down's Syndrome; Chromosome Abnormalities; Dermatoglyphics

CLINICAL CARE OF THE PATIENT AND FAMILY WITH HUNTINGTON'S DISEASE

CCHD

CCHD 1977

Describes the clinical features of patients with Huntington's Disease. Discusses and clarifies in clinical terms the age of onset, early diagnostic symptoms, laboratory evaluations and overall care of the patient and family. Counseling for at-risk individuals and spouses is also included.

PA 10 pp.

Professional

Huntington's Disease

CONTROL OF PAIN IN HEMOPHILIA

Levine, P. H.

NHF 1975

Outlines general rules for the management of pain in hemophilia. Recommended medications for relief of pain are listed as well as those to be avoided. Concludes with a listing of products containing aspirin, which should not be used in hemophilia because it

delays clotting. Treatment of Hemophilia Series
PA 8 pp.

Adult
Hemophilia

CURRENT MANAGEMENT; A PHYSICIAN'S MANUAL

Aledort, L. M.
NHF 1978

Reviews the pattern of inheritance and the nature of hemophilia and surveys the major advances of the past 15 years in its management. Summarizes the philosophy of total care of the hemophiliac. Discusses management of bleeding and replacement therapy. Tables of therapeutic concentrates and materials are given. Treatment of Hemophilia Series
PA 9 pp.

Professional
Hemophilia

CYSTIC FIBROSIS
NIAMDD
NIAMDD 1978
DHEW Pub. No. (NIH) 78-223

Defines cystic fibrosis for the lay public. The symptoms and prognosis of patients with cystic fibrosis are described. Delineates methods for treatment and examines briefly current research in cystic fibrosis.
PA 8 pp.

Adult
Cystic Fibrosis

DIRECTORY OF SPEAKERS ON GENETIC DISORDERS, BIRTH DEFECTS ...

UWiGC
UWiGC (nd)

Lists experts, with addresses and telephone numbers, within the state of Wisconsin who are available to lecture on the various aspects of genetic counseling, genetic disorders, birth defects and developmental disabilities. Thoroughly indexed by speakers and subjects.
PA 8 pp.

Adult; Professional
Genetic Diseases; Mental Retardation; Directories; Wisconsin

DRUGS FOR THE CONTROL OF CHOREIC MOVEMENTS

Fahn, S.

CCHD 1977

Describes three drugs used in the control of choreic movements for Huntington's patients.

PA 1 pp.

Professional

Huntington's Disease

FACT SHEET: TUBEROUS SCLEROSIS

TSAA

NINCDS 1978

TSAA

Presents the history of the identification of tuberous sclerosis. Conditions which characterize the disease are listed. Explains how tuberous sclerosis is inherited as an autosomal dominant disorder. The signs, treatment and prognosis for patients with the disease are described. Lists sources for obtaining further information on tuberous sclerosis.

PA 5 pp.

Adult

Tuberous Sclerosis, Incidence

FACTS ABOUT DOWN'S SYNDROME

Down's Syndrome Group

PARC 1977

Defines the genetic basis for Down's Syndrome. Risks for different age groups of parents are delineated. Discusses the rate of development of Down's children and describes appropriate educational programs. The emotional impact of raising a Down's child is also treated.

PA 10 pp.

Adult

Down's Syndrome

FACTS ABOUT PRENATAL DIAGNOSIS

Dept. Hlth. Services, Berkeley

CaDHS 1979

Describes the use of amniocentesis for diagnosing birth defects prenatally. Discusses prenatal diagnosis as useful for a specific disorder rather than for all genetic diseases. Amniocentesis and sonography are delineated along with reasons for having amniocentesis performed. Mentions the risks associated with amniocentesis

and at what stage of pregnancy the procedure can be performed.
PA 8 pp.

Adult
Prenatal Diagnosis; Amniocentesis

FACTS ABOUT PRENATAL DIAGNOSIS
San Diego R.C.
Children's Health Center (nd)

Defines prenatal diagnosis and describes the process of amniocentesis. Indications for amniocentesis and the risks and accuracy of this procedure are delineated. Includes a glossary of genetic terms.
PA 8 pp.

Adult
Prenatal Diagnosis; Amniocentesis

FACTS ABOUT TAY-SACHS DISEASE
San Diego R.C.
Children's Health Center (nd)

Presents the basic facts about Tay-Sachs disease, how it can be prevented, and what families can do to protect themselves. The biochemical and genetic basis for the disease is delineated. Describes amniocentesis and carrier detection blood tests. Lists sources for obtaining further information in the San Diego area.
PA 8 pp.

Adult
Tay-Sachs Disease; California

FAMILIAL DYSAUTONOMIA
DFI
DFI (nd)

Delineates the problems of the dysautonomic child and the mode of transmission of this genetic disease which affects primarily those of Jewish background. Describes the symptoms of the disease in layman's terms and sketches its course from birth onward. The functions of the Dysautonomia Foundation, Inc. are briefly presented.
PA 5 pp.
Adult
Dysautonomia

FAMILIAL DYSAUTONOMIA

Axelrod, F., and Osoff, J. A.

Jewish Press 1976

DFI

Sketches the course of dysautonomia in infants and children. Points out the complications of the genetic disease and the social and emotional problems experienced by its victims, most of whom are Jewish. Describes the services of the Familial Dysautonomia Center at New York University Hospital.

PA 1 pp.

Adult

Dysautonomia

FRIEDREICH'S ATAXIA; FACT SHEET

MDA

MDA 1976

Presents pertinent information on the nature and symptoms of Friedrich's Ataxia, an inherited slowly progressive disorder of the nervous system of the young, causing an inability to coordinate voluntary muscle movements. Basic research on neuromuscular interaction supported by the Muscular Dystrophy Association is described.

PA 4 pp.

Adult

Friedreich's Ataxia

GENETIC COUNSELING SERVICES IN IDAHO

Idaho DH

Idaho DH (nd)

Describes and defines in detail the genetic counseling process. Discusses where counseling is provided in Idaho and what types of services are provided at the centers. Also addresses the question of who should consider genetic counseling.

PA 6 pp.

Adult

Genetic Counseling; Genetic Services; Idaho

GENETICS – GENETICS COUNSELING

MWH

MWH (nd)

Describes the process of genetic counseling including prenatal

diagnostic techniques commonly used. Points out the importance of an accurate diagnosis, risk determination and a complete family medical history. The importance of the interpretation of this information to the patient is stressed. Cost of genetic counseling services to the patient at the University of Pittsburgh Health Center is mentioned.
PA 4 pp.

Adult
Genetic Counseling

GOUT
NIAMDD
NIAMDD 1974
DHEW Pub. No. (NIH) 74-505
Defines and describes gout in lay terms. Current treatment regimes and methods for diagnosing gout are briefly discussed. Examines what triggers gout attacks.
PA 8 pp.
Adult
Gout

GUIDELINES FOR EDUCATIONAL PRIORITIES AND CURRICULAR INNOVATIONS . . .

BSCS
BSCS 1978

Presents guidelines for developing an interdisciplinary approach to human genetics education from elementary school through adult education. Discusses the relationship between genetics education and health education and examines the role of genetics education in the primary, intermediate, and secondary grades. A section on the implementation of these guidelines is included.
PA 10 pp.

Professional
Genetic Education

HOW GENETIC DISEASE CAN AFFECT YOU AND YOUR FAMILY

NGF
NGF (nd)

Explains the need for genetic counseling and answers the question, "Who can have genetic disorders?" Defines genetic disease and discusses medical genetics and the benefits of research in this field. The National Genetics Foundation's nation-wide Genetic Counseling and Treatment Network is described.
PA 6 pp.

Adult
Genetic Diseases

HOW'S YOUR HEALTH QUOTIENT?
Huntington's Disease
CCHD
CCHD (nd)

Describes Huntington's Disease in lay terms. Highlights the major symptoms and personality changes seen in patients with Huntington's Disease. Mentions that there is no known way to detect Huntington's Disease before onset of symptoms.
PA 2 pp.

Adult
Huntington's Disease

HUNTINGTON'S DISEASE
CCHD
CCHD (nd)

Focuses on the hereditary aspects of Huntington's Disease and the physical, mental, and emotional symptoms of this neurological disorder. Problems encountered in diagnosis and treatment are mentioned. Published in affiliation with New York State Health Department.
PA 6 pp.

Adult
Huntington's Disease

HYPOTHYROIDISM
VaSDH
VaSDH (nd)

Highlights the signs and symptoms in children and adults with hypothryoidism. Stresses that early diagnosis and treatment is necessary to prevent severe mental and physical retardation. Describes the test used to diagnose hypothyroidism and lists sources of further information in the state of Virginia.

PA 4 pp.

Adult
Hypothyroidism; Virginia

I HAVE OSTEOGENESIS IMPERFECTA BUT CAN . . .

OIF
OIF (nd)

Sketches the personal, academic and professional achievements of sixteen men and women with osteogenesis imperfecta. The functions and goals of the Osteogenesis Imperfecta Foundation are briefly outlined.
PA 8 pp.

Adult
Osteogenesis Imperfecta

IMPROVING COMMUNITY HEALTH CARE SERVICES

BCHS
BCHS 1979
DHEW (HSA) 79-5005
Describes the functions of the Bureau of Community Health Services (BCHS), which is one of three major units in the Health Services Administration at the Department of Health, Education, and Welfare. Programs under BCHS are listed. Includes a short discussion of the Genetic Disease Program and the hemophilia treatment center programs.
PA 8 pp.

Adult
Health Services

KUGELBERG-WELANDER DISEASE

MDA
MDA (nd)

Outlines the known facts abut Kugelberg-Welander disease, an inherited slowly progressive neuromuscular disorder of children and adolescents. Basic research supported by the Muscular Dystrophy Association into the nature and causes of the disease is briefly described.
PA 4 pp.

Adult
Kugelberg-Welander Disease; Neuromuscular Diseases

MUSCULAR DYSTROPHY; FACT SHEET

MDA

MDA 1977

Covers the major and less common types of muscular dystrophy, including the hereditary pattern, clinical onset, initial muscle involvement, distinctive characteristics and progression of each. Carrier detection and prenatal diagnosis of Duchenne muscular dystrophy are discussed. Concludes with a brief account of research sponsored by the Muscular Dystrophy Association.
PA 8 pp.

Adult
Muscular Dystrophy

THE MYOTONIAS; FACT SHEET

MDA

MDA (nd)

Focuses on myotonia congenita (Thomsen's disease) and paramyotonia congenita, inherited disorders of skeletal muscle in which the mechanism of voluntary contraction and relaxation is impaired. The causes, early signs, pattern of inheritance, prognosis, and treatment of the condition are discussed. Concludes with a brief statement on related research efforts supported by the Muscular Dystrophy Association.
PA 4 pp.

Adult
Myotonia Congenita; Paramyotonia Congenita

MYOTONIC DYSTROPHY; FACT SHEET

MDA

MDA (nd)

Defines myotonic dystrophy, one of the major types of muscular dystrophy, and describes its early symptoms, rate of progression and pattern of autosomal dominant inheritance. Current research efforts are briefly outlined.
PA 4 pp.

Adult
Myotonia Atrophica; Muscular Dystrophy

NATIONAL TUBEROUS SCLEROSIS ASSOCIATION

NTSA

NTSA (nd)

Briefly describes tuberous sclerosis and its typical manifestations which may include tumors, convulsions, mental retardation and skin lesions. The functions and goals of the National Tuberous Sclerosis Association are also outlined.
PA 6 pp.

Adult
Tuberous Sclerosis

NEUROLOGICAL AND COMMUNICATIVE DISORDERS: ESTIMATED NUMBERS AND COST

NINCDS
NINCDS 1977
DHEW Pub. No. (NIH) 77-152.
Lists twenty neurological and sensory disorders and the death rate for each disease per year. Also lists estimated number of patients with the diseases and approximate annual cost for patient care. Includes an overview of the functions of the National Institute of Neurological and Communicative Disorders and Stroke.
PA 8 pp.

Adult
Neuromuscular Diseases

A NEUROLOGIST SPEAKS WITH HUNTINGTON'S DISEASE FAMILIES

Paulson, G. W.
NHDA (nd)

Provides an overview of the history, physical and psychological symptoms, and the genetics of Huntington's Disease. Treatment of patients and counseling of family members are discussed. Differentiates between Huntington's Disease and Sydenham's chorea. Provides information on the National Huntington's Disease Association.
PA 5 pp.

Adult
Huntington's Disease

OSTEOGENESIS IMPERFECTA FOUNDATION; FOR ALL OF THEM!

OIF
OIF (nd)

Briefly describes osteogenesis imperfecta (O.I.), a hereditary disorder, and some of its variations. The medical treatment now available in hospitals and medical centers with O.I. clinics

is mentioned. Concludes with an outline of the history and functions of the Osteogenesis Imperfecta Foundation.
PA 4 pp.

Adult
Osteogenesis Imperfecta

THE OTHER SIDE OF THE COIN
Frank, N.
CCHD 1978

Stresses the need for emphasizing the positive aspects of the life of a person who has Huntington's Disease. Families who can accept the disease and learn to live compatibly with it experience better overall health. Explains that the present generation is more fortunate than those in the past because there is more information and counseling available.
PA 2 pp.

Professional; Adult
Huntington's Disease; Genetic Counseling

PERIODIC PARALYSIS; FACT SHEET
MDA
MDA (nd)

Describes three distinct, though possibly related, heritable disorders of skeletal muscle characterized by intermittent attacks of faccid paralysis. These are classified as hypokalemic, hyperkalemic and normokalemic, depending on the levels of potassium in the serum during the course of an attack. Concludes with a brief description of related research supported by the Muscular Dystrophy Association.
PA 4 pp.

Adult
Periodic Paralysis

A POSITIVE APPROACH TO CONTROLLING O.I.

Klapperich, C.
OIF (nd)

Explains the genetic mechanisms involved in osteogenesis imperfecta. Describes genetic counseling procedure and strongly urges

such counseling for those who may be at risk for having a child with osteogenesis imperfecta.
PA 2 pp.

Adult
Osteogenesis Imperfecta; Genetic Counseling

A PRACTICAL MANUAL FOR THE PARENTS OF CHILDREN WITH MYELOMENINGOCELE

Bruce, M., and Veigh, G.
G. Veigh 1972

A manual to help parents deal with children with neural tube defects. Stresses the importance of proper medical care and follow-up for the child with a myelomeningocele from infancy through adulthood.
PA 10 pp.

Adult
Neural Tube Defects; Spina Bifida

PROTECTING YOUR FAMILY'S HEALTH

D. Hlth. Ser., Gen. Dis., Berkeley
CaDHS 1978

The role of genetic counseling and prenatal diagnosis in family planning are discussed. Also mentions blood tests for syphilis and German measles immunity that are required of all persons getting married in California.
PA 4 pp.

Adult
Prenatal Diagnosis; Genetic Counseling; Health Planning; Family Planning

QUESTIONS AND ANSWERS ABOUT DOWN'S SYNDROME

NFMD
NFMD (nd)

Examines Down's Syndrome using a question and answer format. Describes clinical signs, capabilities, and health problems of children with Down's Syndrome. Causes of Down's Syndrome, prenatal diagnostic amniocentesis, and how to find out about amniocentesis are mentioned.
PA 8 pp.

Adult
Down's Syndrome

QUESTIONS AND ANSWERS ON BIRTH DEFECTS

NFMD

NFMD (nd)

Defines birth defects, the scope of the problem, and known causes. Prevention of defects and prenatal care are stressed. Briefly mentions high-risk pregnancies and new research in human genetics and prevention of birth defects. Describes the functions of the local March of Dimes chapters.
PA 6 pp.

Adult
Birth Defects; Prenatal Diagnosis

QUESTIONS AND FACTS ABOUT CYSTIC FIBROSIS

CFF

CFF (nd)

Uses a question and answer format to present the basic facts about cystic fibrosis and other lung-damaging diseases affecting children. Describes the functions of the Cystic Fibrosis Foundation and the services offered by the more than 100 Cystic Fibrosis Centers associated with it. A listing of the centers by city is included.
PA 6 pp.

Adult
Cystic Fibrosis

SICKLE CELL ANEMIA

MdDH

MdDH 1973

Defines sickle cell anemia in lay terms. Describes how and why sickle cells cause clinical problems. The difference between sickle cell disease and sickle cell trait is explained. Delineates risks of having a child with sickle cell anemia.
PA 10 pp.

Adult
Sickle Cell Anemia; Sickle Cell Trait

SICKLE CELL ANEMIA – FACTS YOU SHOULD KNOW

VaSC

VaSC (nd)

Defines and describes sickle cell anemia and sickle cell trait in lay terms. Discusses the importance of knowing about sickle cell anemia and points out what population groups get sickle cell disease. Also defines Hemoglobin C. Question and answer format.
PA 4 pp.

Adult
Sickle Cell Anemia; Sickle Cell Trait; Hemoglobinopathies

SURGERY IN HEMOPHILIA

Aledort, L. M., and Levine, P. H.
NHF 1977

Provides systematic steps in the surgical management of the hemophilia patient. Includes guidelines for patient evaluation and hospital management. Detailed tables of the therapeutic materials available for the treatment of Factor VIII and Factor IX deficiency are given. Treatment of Hemophilia Series
PA 5 pp.

Professional
Hemophilia

TAY SACHS DISEASE – A BIRTH DEFECT
NFMD
NFMD 1978

Presents clinical manifestations of Tay-Sachs disease in lay terms. Discusses carrier detection, prenatal diagnosis, and contemporary research in Tay-Sachs. The role of enzyme Hex-A in fat buildup in nerve cells is briefly examined.
PA 6 pp.

Adult
Tay-Sachs Disease

THALASSEMIA – A BIRTH DEFECT
NFMD
NFMD 1978

Uses a question and answer format to present the basic facts concerning thalassemia (Cooley's anemia), an inherited blood disease. Describes the clinical features of the disorder, the genetic mechanism involved, and the importance of carrier detection tests. Prenatal diagnosis of thalassemia which is now available

is mentioned only as a future possibility.
PA 6 pp.

Adult
Cooley's Anemia; Thalassemia; Hemoglobinopathies

TOURETTE SYNDROME: QUESTIONS AND ANSWERS

TSA
TSA (nd)

Describes the signs, symptoms, and possible causes of Tourette Syndrome. Presents methods for treating the disease and discusses the importance of early diagnosis. Stresses that psychological problems are not the cause of Tourette Syndrome. The functions of the Tourette Syndrome Association are delineated.
PA 6 pp.

Adult
Tourette Syndrome

TUBEROUS SCLEROSIS ASSN. OF AMERICA

TSAA
TSAA 1977

Describes the signs and symptoms of tuberous sclerosis in lay terms. Points out that this genetic disease may vary from mild to severe. Stresses that although a mildly affected parent may be normal he or she is still at risk of giving birth to a severely handicapped child. The goals of the Tuberous Sclerosis Association of America are presented.
PA 6 pp.

Adult
Tuberous Sclerosis

WALK A DARK VALE – HUNTINGTON'S CHOREA

Lane, C. S.
Nurs. Care 1976
CCHD
Stresses that patience is the key to the successful treatment for

those individuals with Huntington's Disease. Sketches the lengthy deterioration process involved and points out the importance of good medical care when patients are first told of the diagnosis.
PA 2 pp.

Professional; Adult
Huntington's Disease

WERDNIG-HOFFMANN DISEASE OF INFANTILE PROGRESSIVE SPINAL . . .

MDA
MDA (nd)

Reviews the basic facts concerning Werdnig-Hoffmann disease, a heritable progressive neuromuscular disorder of infants. The early signs, pattern of inheritance and rate of progression of the disorder are discussed. Concludes with a brief summary of relevant research supported by the Muscular Dystrophy Association.
PA 4 pp.

Adult
Werdnig-Hoffmann Disease; Muscular Atrophy

WHAT IS HUNTINGTON'S (CHOREA) DISEASE?

CCHD
CCHD (nd)

Summarizes the genetic, neurological, and emotional aspects involved in Huntington's Disease (HD). Mentions current research in the field and difficulties in the diagnosis of HD.
PA 4 pp.

Adult
Huntington's Disease

WHAT IS PRENATAL DIAGNOSIS?

CaDHS
CaDHS 1979

Defines prenatal diagnosis as a way of detecting some birth defects before a baby is born. Describes briefly the technique of amniocentesis, and points out that pregnant women over 35 and women who already have a child with a birth defect should consider amniocentesis.
PA 2 pp.

Adult
Prenatal Diagnosis

WHAT YOU SHOULD KNOW ABOUT HEMOPHILIA

NHF

NHF (nd)

Reviews the functions of the National Hemophilia Foundation, including the fostering of comprehensive care clinics, the support of basic and clinical research, and the effort to improve national blood resources. The nature of hemophilia and its current management are briefly sketched.
PA 4 pp.

Adult
Hemophilia

YOUR EMPLOYEE WITH SICKLE CELL

NHLBI

NHLBI 1978

DHEW Pub. No. (NIH) 78-1523

Designed for prospective or current employers of people with sickle cell disease. Presents an overview of the genetics of sickle cell disease and sickle cell trait. Stresses that sickle cell trait is not a disease. Includes questions and answers that an employer may have on hiring those with the disease.
PA 4 pp.

Adult
Sickle Cell Anemia;
Hemoglobinopathies

JOURNAL ARTICLES

"ANTENATAL DIAGNOSIS OF MAPLE-SYRUP-URINE DISEASE"

Cox, R. P. et al.

Lancet 2(1978):212

Presents a case report of a boy with ketoacidura. The effect of terminating treatment at 7 1/2 years is described. These effects were relieved by daily thiamine intake.

Journal article

Professional

Prenatal Diagnosis; Maple Syrup Urine Disease

"ANTENATAL DIAGNOSIS OF THALASSAEMIA MAJOR"

Fairweather, D. V. et al.

Br. Med. J. 1(1978):350-53

Describes a study involving twenty-two women at risk of carrying a fetus with homozygous beta thalassaemia. Hemoglobin synthesis was studied in fetal blood samples. The results are delineated. Presents recommendations for increasing the availability of fetal blood sampling.

Journal article

Professional

Cooley's Anemia; Thalassemia; Prenatal Diagnosis

"AN ASSESSMENT OF THE HAZARDS OF AMNIOCENTESIS"

Turnbull, A. C. et al.

Br. J. Obs. Gyn. 85(1975):1-41

Presents the results of a study on the risks associated with amniocentesis involving over 2,400 women who had amniocentesis and an equal number of matched controls who did not. Examines the incidence of spontaneous abortions and infant morbidity. Recommendations are presented dealing with the use of amniocentesis for prenatal diagnostic purposes. Report to the Medical Research Council by their Working Party on Amniocentesis.

Journal article

Professional

Prenatal Diagnosis; Amniocentesis

"AUTOSOMAL SYNDROMES"

Summitt, R. L.

Pediatr. Ann. 7(1978):363-453

A review article on structural and

numerical chromosome abnormalities identified in humans. Lists the autosomal syndromes and provides incidence data on the more common chromosomal abnormalities. Describes in detail the clinical features of the deletion and duplication syndromes and outlines the mechanisms of production of these abnormalities.
Journal article

Professional
Chromosome Abnormalities; Autosomal Syndromes; Review; Incidence

"THE CRUELEST KILLER"

Clark, M., and Gosnell, M.

Newsweek 88(1976):67-68
General description of Huntington's Disease including history, symptoms, principal treatments, and research into possible prenatal detection of the disease. Notes Woody Guthrie's affliction and his wife Marjorie's subsequent founding of the Committee to Combat Huntington's Disease.
Journal article

Adult
Huntington's Disease

"CYSTIC FIBROSIS SCREENING BY SWEAT ANALYSIS: A CRITICAL . . ."

Webster, L., and Lochlin, H.

Med. J. Aust. 1(1977):923-27
Critically evaluates currently employed methods for the assay of electrolytes in sweat, relevant to the diagnosis of cystic fibrosis with particular reference to the measurement of electrical conductivity. The factors responsible for potentially large errors are emphasized and recommendations to reduce these errors are made.
Journal article

Professional
Cystic Fibrosis; Newborn Screening; Review

"CYSTIC FIBROSIS SCREENING IN THE NEWBORN"

Crossley, J. R. et al.

Lancet 2(1977):1093-95
Describes a new method of testing stool samples from newborn babies for cystic fibrosis.
Journal article

Professional
Cystic Fibrosis; Newborn Screening

"CYSTIC FIBROSIS: THE PROGNOSIS FOR FIVE-YEAR SURVIVAL"

Knoke, J. D. et al.

Pediatr. Res. 12(1978):676-79

Describes a classification scheme which can be used as a predictive index to estimate the probability of 5-year survival for an individual cystic fibrosis patient. The scheme is based on statistical discriminant analysis of 226 patients. Such a classification scheme is useful for clinical and research purposes.

Journal article

Professional

Cystic Fibrosis

"DELIVERING GENETIC SERVICES"

Finley, W. H.

Pediatr. Ann. 7(1978):371-74

Presents an overview of the principal objectives in the delivery of genetic services. Stresses the need for development of diagnostic facilities and genetic counseling programs and recommends that training and research be an integral part of these programs. Discusses the importance of professional and lay education in genetic service programs.

Journal article

Professional

Genetic Services; Health Planning; Review

"DENTAL ASPECTS OF PATIENTS WITH CYSTIC FIBROSIS: A . . ."

Blacharsh, C.

J. Am. Dent. Assoc. 95(1977):106-10

Describes a study of the oral conditions of 42 patients being treated for cystic fibrosis. The control group consisted of the patients' siblings. Results indicate that the therapy for cystic fibrosis was beneficial to the periodontal health of these patients. A list of topics which require further study is given.

Journal article

Professional

Cystic Fibrosis; Dental Health

"AN ECONOMIC EVALUATION OF A GENETIC SCREENING PROGRAM FOR ..."

Nelson, W. B. et al.

Am. J. Hum. Genet. 30(1978):160-66

Delineates issues involved in medical genetic screening programs such as relative values of screening for different diseases, public vs. private funding and others. Postulates that the specific screening program described is generalizable to other genetic diseases and expresses hope this will stimulate further research.

Journal article

Professional; Adult

Community Genetic Screening; Health Planning; Tay-Sachs Disease

"THE EDUCATION OF CITIZENS; HUMAN GENETICS"

Scriver, C. R. et al.

Am. Biol. Teach. 40(1978):280-84

The results of a study describing knowledge and attitudes toward human genetics and biology among a sample of high school students are presented. Study includes a textbook screening as well as a student survey. Lists recommendations on what can be done to improve human genetic education in the schools.

Journal article

Professional

Genetic Education; Human Genetics; Canada

"EMOTIONAL ADJUSTMENT OF ADOLESCENTS AND YOUNG ADULTS WITH CYSTIC ..."

Boyle, I. R. et al.

J. Pediatr. 88(1976):318-26

Presents a study of 27 adolescents and young adults with cystic fibrosis which evaluated the psychological impact of the disease on them. Four sources of psychological stress leading to emotional disturbance were identified. Gives guidelines for the physician treating young adults and their families.

Journal article

Professional

Cystic Fibrosis; Psychological Aspects

"FAMILIAL DYSAUTONOMIA: DIAGNOSIS, PATHOGENESIS, AND MANAGEMENT"

Axelrod, F. B. et al.

Adv. Pediatr. 21(1974):75-96

Presents a comprehensive review of the pathophysiology and genetics of dysautonomia. Describes the clinical features and management of the disease. Temperature control, dermatologic problems, sexual maturation, and prognosis is also discussed.

Journal Article

Professional

Dysautonomia; Review

"GENETIC COUNSELING"

Finley, S. C.

Pediatr. Ann. 7(1978):375-78

Provides an overview of the genetic counseling process and its relationship to good medical practice. Lists indications for prenatal genetic studies and discusses briefly the procedures used for prenatal diagnosis.

Journal article

Professional

Genetic Counseling

"GENETIC DISORDERS OF SEX DIFFERENTIATION"

Schimke, P. N.

Pediatr. Ann. 7(1978):389-400

Presents a review of normal and abnormal sexual development. Discusses the sex chromosome abnormalities, hermaphroditism, and gonadal dysgenesis. Also presented is a description of male and female pseudohermaphroditism and an evaluation of the intersex state. Summarizes defects in androgen synthesis and Wolffian and Mulberian tubule development.

Journal article

Professional

Sex Chromosome Abnormalities; Review

"GENETIC DIVERSITY IN HEMOGLOBINS"

Scott, R., and Gilbert, R.

J. Am. Med. Assoc. 239(1978):2681-84

Report of mass screening programs for sickle cell trait to detect carriers and to provide genetic counseling to them. Points out the problem of counseling carriers of a deleterious gene who cannot

understand how they can carry such a gene but still be normal. Recommends that our definition of normal should be revised.
Journal article

Professional
Sickle Cell Trait; Community Genetic Screening

"GENETIC SCREENING: NAS RECOMMENDS PROCEEDING WITH CAUTION"

Culliton, B. J.

Science 189 (1975):119-20
Report on the National Academy of Science's committee decisions regarding genetic screening. The mass screening programs of PKU and sickle cell anemia and the problems they incurred are reviewed. Does not recommend mass screening and opposes mandatory legislation. Recommends pilot programs and commissions involving citizen participation.
Journal article

Adult; Professional
Community Genetic Screening

"GENETIC SCREENING VS. PERSONAL FREEDOM"

Powledge, T. M.

Sci. Dig. 78(1975):48-55
Points out some advantages and disadvantages of prenatal diagnostic screening. Notes the expansion of screening to include carriers, most notably of Tay-Sachs Disease and sickle cell anemia. A study conducted in Greece involving extensive premarital counseling with little effective results is summarized. Continues with a philosophical discussion of possible implications of genetic screening.
Journal article

Adult; Professional
Community Genetic Screening; Prenatal Diagnosis

"GENETICS AND CANCER IN CHILDREN"

Lynch, H. T., and Lynch, P. M.

Pediatr. Ann. 7(1978):413-30
A review article on the childhood cancers that have a genetic component. Focuses on familial childhood cancers influenced by primary genetic factors, radiation,

congenital birth defects, specific environmental interactions, and cytogenetic abberrations. Includes clinical descriptions of the gonadoblastomas in somatosexual disorders.
Journal article

Professional
Cancer Genetics; Review

"GENETICS AND LAWS PROHIBITING MARRIAGE IN THE UNITED STATES"

Farrow, M. G., and Juberg, R. C.

J. Am. Med. Assoc. 209(1969):534-38
Reviews the laws that prohibit consanguineous marriages in the United States. Presents a brief historical review of the origin of these laws. The prohibition-of-marriage laws that were in effect in 1969 for each of the fifty states and two territories are listed.
Journal article

Professional
Legislation; Legal Medicine

"GENETICS AND MEDICINE: AN EVOLVING RELATIONSHIP"

Scriver, C. R. et al.

Science 200 (1978):946-52
Develops the concept that each person has a relative state of health and distinguishes between the genetic and traditional medical views of disease. The activities of the Quebec Network for Genetic Medicine are outlined. Examines the public's concern for medical and human genetics.
Journal Article

Professional
Genetic Education; Canada

"THE GENETICS OF HUMAN POPULATIONS"

Cavalli-Sforza, L. L.

Sci. Am. 231(1974):80-89
Uses the sickle cell gene as an example of hereditary mutation. Traces the history of human mutation including the effects of chance and environment. The results in relation to the genetics of race are explored. Describes the advantage of studying individual genes for

reconstructing common ancestry.
Journal article

Professional; Adult
Population Genetics; Sickle Cell Anemia

"GUIDELINES FOR THE ETHICAL, SOCIAL AND LEGAL ISSUES IN..."

Powledge, T. M., and Fletcher, J.

N. Eng. J. Med. 300(1979):168-72
Presents guidelines for the development and institutionalization of prenatal diagnostic services. Lists eight recommendations that prenatal diagnostic and genetic counseling centers should comply with and gives sixteen guidelines concerning use of information after completion of prenatal diagnostic studies. Addresses the moral and ethical aspects of providing genetic services.
Journal article

Professional
Prenatal Diagnosis; Legal Medicine; Social Aspects

"HEMOCHROMATOSIS: DIAGNOSIS AND TREATMENT"

Res. Resources Rep. 2(1978):15
Discusses briefly the methods to diagnose and treat patients with hemochromatosis developed at the University of Utah's General Clinical Research Center. The metabolic defect is also described as well as an estimate of the prevalence of this disease.
Journal article

Adult
Hemochromatosis; Digestive System Diseases; Incidence

"HEMOPHILIA: THE VOCATIONAL IMPLICATIONS"

Haft, A.

Disabled USA 1(1978):135-36
Discusses the employment outlook for hemophiliacs and stresses that hemophiliacs do not have to restrict their occupational choices to sedentary positions. Points out the significance of home therapy in changing the employment outlook over the past 8-10 years. Employers' apprehensions about

hiring hemophiliacs are examined.
Journal article

Adult
Hemophilia

"HEREDITARY CANCER"
Knudson, A. G.

J. Am. Med. Assoc. 241(1979):279
Stresses that genetic susceptibility to cancer is a mechanism for predisposition to cancer that should not be ignored. Briefly explains the hypothesis of multiple events and points out that the influence of genetics on cancer should not be forgotten.
Journal article

Professional
Cancer Genetics

"THE HISTORICAL/PHILOSOPHICAL BACKGROUND OF EDUCATION IN HUMAN . . ."

Hurd, P. O.
Biol. Sci. C.S.J. 1(1978):3-8
Discusses the historical and philosophical treatment of genetics in school and college curricula between 1907 and 1977. Reviews the textbooks used in the biology curricula of primary, intermediate, and secondary grades. Also lists learning goals for teaching human genetics in schools.
Journal article

Professional
Genetic Education

"INHERITANCE AND HIGH CHOLESTEROL"

Sci. News 106(1974):22
Review of findings reported in Science regarding the cause of differences in cholesterol levels in heterozygotes as opposed to homozygotes in cases of familial hypercholesterolemia.
Journal article

Adult
Hypercholesterolemia

"INHERITED HYPOTHYROIDISM"
Jackson, I. M.

Clin. Perinatol. 3(1976):221-30
Describes the pathophysiology of hypothyroidism. Methods for

diagnosing inherited hypothyroidism are delineated and the importance of early treatment is stressed. Discusses treatment and mentions that intrauterine administration of thyroid hormone is uncertain.
Journal article

Professional
Hypothyrodism; Prenatal Diagnosis

"INHERITED METABOLIC DISEASES OF THE NERVOUS SYSTEM"

Brady, R. O.

Science 193(1976):733-39
Hereditary metabolic disorders resulting in nervous system dysfunction are grouped according to biochemical relationships into amino acid metabolism, carbohydrate metabolism, complex carbohydrates, lipid catabolism, and lipid anabolism. Representative examples are analyzed to understand pathological physiology and chemistry relationships for devising therapeutic approaches.
Journal article

Professional
Nervous System Diseases; Metabolism, Inborn Errors

"LABORATORY DETECTION OF THALASSEMIA"

Milner, P. F.

Am. J. Med. Technol. 44(1978): 431-34
The thalassemias are defined and various types of laboratory tests discussed. Also recommends such tests as part of a screening program for hemoglobinopathies and thalassemias.
Journal article

Professional
Cooley's Anemia; Hemoglobinopathies; Thalassemia

"LITTLE KNOWN DISEASES"

Belson, A.

Fam. Hlth. May 1977:42
Discussion of Tourette's syndrome, systemic lupus erythematosus, Huntington's disease, and retinitis pigmentosa. Gives historical background, symptoms, sample cases, possible causes, treatment, and current research. Notes the effect research may have on more common problems. Mentions key figures involved in work on the diseases, as well as purposes of

the related associations. Includes association addresses.
Journal article

Adult
Huntington's Disease; Retinitis Pigmentosa; Tourette's Syndrome; Systemic Lupus Erythematosus

"MANAGEMENT OF MAPLE SYRUP URINE DISEASE IN CANADA"

Comm. for Improvement of Her. Dis.

Can. Med. A. J. 115(1976):1005-13
Delineates patient care for maple syrup urine disease as carried out by five treatment centers in Canada. Presents method of diagnosis and the complex emergency treatment required for such patients. The need for continuous monitoring of response to diet and type of diets for effective management are described. Presents new information on leucine, isoleucine, and valine requirements.
Journal article
Professional
Maple Syrup Urine Disease; Canada; Diet Therapy

"MEDICINE'S MIGHTY MOLECULES"

Rosenfeld, A.

Sat. Rev. W. 2(1974):50-54
Presents an overview of research in areas of birth defects, heart disease, cancer, and aging which may be genetically linked. Indicates that study of the action of molecules may reveal methods for inhibiting disease processes.
Journal article

Adult
Molecular Genetics; Birth Defects; Multifactorial Diseases

"MODIFICATION OF A SCREENING PROGRAM FOR NEONATAL HYPOTHYROIDISM"

Dussault, J. H. et al.

J. Pediatr. 92(1978):274-77
Delineates the authors' experience in screening 212,000 newborn infants and describes a flow chart they devised for processing T4 and TSH measurements obtained from filter paper blood spots. The percentages of positives are given.
Journal article
Professional
Hypothyroidism; Newborn Screening

"MOLECULAR MEDICINE"

Sci. Am. 235(1976):52-53

Review of research reported in The New England Journal of Medicine on familial dysautonomia and a hormone-like substance called nerve-growth factor (NGF). NGF from dysautonomic and normal subjects was examined for differences in molecular structure and function. The higher level of NGF in dysautonomics may be a secondary rather than a primary molecular defect.

Journal article

Professional

Dysautonomia

"NATURAL PREVENTION OF GENETIC DEFECTS"

Sci. News 114(1978):353

Review of article published in The New England Journal of Medicine which examines natural selective forces and spontaneous abortions during the latter half of pregnancy. Correlates with accompanying NEJM editorial which suggests that since women over 40 may be more subject to miscarriage, they may not have an excessively high risk of giving birth to Down's children than younger women.

Journal article

Adult

Amniocentesis; Down's Syndrome

"A NEW VIEW OF HEALTH: GENETICS AND ENVIRONMENT"

Childs, B.

Biol. Sci. C.S.J. 1(1978):9-12

Develops the concept of a continuum between health and disease involving both genetic and environmental factors. Education in human genetics for professionals and the general public is stressed. Dispels myths regarding human genetics.

Journal article

Professional

Genetic Education

"NEWBORN SCREENING FOR MAPLE SYRUP URINE DISEASE"

Guthrie, R., and Naylor, E. W.

Pediatrics 61(1978):262-66

Reports on newborn screening of nine and a half million newborns throughout the world for maple syrup urine disease. A bacterial inhibition assay for leucine in blood was used for screening. Discusses problems of newborn screening, gives total number of positives and morbidity rate. Summarizes thirteen cases.

Journal article

Professional

Maple Syrup Urine Disease; Newborn Screening

"OSTEOGENESIS IMPERFECTA FOUNDATION"

Geisman, G. M.

Excep. Parent, Jan. 1974:22-23

Describes the physical and psychological problems involved in osteogenesis imperfecta, a heritable disorder of connective tissue characterized by multiple fractures. The history, functions and goals of the Osteogenesis Imperfecta Foundation are outlined.

Journal article

Adult

Osteogenesis Imperfecta

"A PEDIATRICIAN'S VIEW: A GENETICS PRIMER"

Levine, M. I.

Pediatr. Ann. 7(1978):365-70

Reviews the basic concepts and nomenclature in human genetics. The normal and abnormal karyotype and a method of chromosome classification is presented. Outlines the mechanisms of production of deletions, inversions, duplications, and translocations. Reviews briefly the common single gene disorders.

Journal article

Professional

Human Genetics

"PRENATAL DETECTION OF HERITABLE METABOLIC DISORDERS"

Thompson, J. N.

Pediatr. Ann. 7(1978):379-88

Presents a review of the metabolic

disorders that can be diagnosed prenatally. Discusses the recent advances in human genetics that have permitted in utero detection. The biochemical makeup of amniotic fluid is described. Discusses glycosphingold and mucopolysaccharide storage diseases, lipid disorders, and carbohydrate and amino acid metabolic diseases.
Journal article

Professional
Prenatal Diagnosis; Metabolism, Inborn Errors; Review

"PRENATAL DIAGNOSIS: NOW THE PROBLEMS"

Powledge, T.

New Sci. 69(1976):332-34
Examines the depression that follows abortion after amniocentesis and the impact of prenatal diagnostic mass screening programs. The effects of diagnostic errors are also discussed. Raises questions but provides no recommendations.
Journal article

Professional
Prenatal Diagnosis

"PRENATAL DIAGNOSIS OF GENETIC DISEASES"

Epstein, C. J., and Golbus, M. S.

Am. Sci. 65(1977):703-11
A review article on the frequency and types of genetic diseases that can be diagnosed prenatally. Describes amniocentesis and other techniques used in prenatal diagnosis. Indications for amniocentesis, ethical considerations, and future prospects in applied human genetics are also discussed.
Journal article

Adult; Professional
Prenatal Diagnosis; Review; Amniocentesis; Bioethics

"PRENATAL DIAGNOSIS OF HEMOGLOBIN DISORDERS"

Kan, Y. W.

Prog. Hematol. 10(1977):91-104
Discusses the advances in the prenatal diagnosis of inherited hemoglobinopathies. The methods used in the prenatal diagnosis of beta globin chain abnormalities are described in addition to the method used for prenatally diagnosing alpha thalassemia.

Journal article

Professional
Prenatal Diagnosis; Sickle Cell Anemia; Cooley's Anemia; Review; Hemoglobinopathies; Thalassemia

"PRENATAL GENETIC DIAGNOSIS IN 3000 AMNIOCENTESES"

Golbus, M. S. et al.

N. Eng. J. Med. 300(1979):157-63
Presents the results of an analysis of 3000 consecutive amniocenteses for prenatal diagnosis. The percent of chromosomal abnormalities, mosaicism, and translocations are reported. Also presents the rate of spontaneous abortions in the group of women who had amniocentesis.
Journal article

Professional
Prenatal Diagnosis

"PREVENTIVE MEDICINE FOR THE UNBORN"

Kagan, J.

McCall's 102(1975):24-25
Brief description of genetic counseling, fetal monitoring, and treatment of high-risk infants. General information on amniocentesis, fetoscopy, and other techniques used for evaluating the baby during the perinatal period from the 12th week of pregnancy through the first month of life is given.
Journal article

Adult
Genetic Counseling; Amniocentesis

"PROGRESS IN DOWN'S SYNDROME"

Res. Resources Rep. 2(1978):11-12
Describes research that indicates that only a small portion of chromosome 21 is responsible for causing Down's Syndrome. Reviews briefly the research that suggests that it may be possible to improve conditions of Down's Syndrome infants after birth.
Journal article

Adult
Down's Syndrome; Kartagener's Syndrome

"THE PROPHYLACTIC APPROACH TO HEMOPHILIA A"

Lazerson, J.

Hosp. Pract. 6(1971):99-106

Presents the experiences of a coordinating center in establishing a home care program for prophylactic and symptomatic treatment of classical hemophilia. The training of young children to infuse themselves is described. Discusses how parental participation in obtaining blood donations has reduced costs.
Journal article

Professional; Adult
Hemophilia

"RARE DISEASE STUDIED AT JOHNS HOPKINS: GYRATE ATROPHY"

Goodwin, D. V., and Quimby, F. H.

Res. Resources Rep. 2(1978):1-5

Describes the metabolic defect and the pathophysiology of gyrate atrophy, a genetic eye disease. Examines briefly the biochemical research on this degenerative eye disorder conducted over the past several years. Problems in diagnosis and treatment of the retinal disease are explored.
Journal article

Adult; Professional
Eye Diseases, Genetic; Gyrate Atrophy

"RECOMMENDATIONS FOR SCREENING PROGRAMS FOR CONGENITAL HYPOTHYROIDISM"

American Thyroid Association

Can. Med. Assoc. J.
116(1977):631-32

Presents recommendations by the newborn committee of the American Thyroid Association for the establishment and expansion of screening programs for congenital hypothyroidism. The Quebec experience with such programs is suggested as a model.
Journal article

Professional
Hypothyroidism; Newborn Screening

"SCREENING FOR CONGENITAL METABOLIC DISORDERS IN THE NEWBORN..."

Scriver, C. R. et al.

Pediatrics 60(1977):389-404

Reviews the pitfalls of PKU newborn infant screening and

proposes guidelines for establishing mass hypothyroidism screening programs. Diagnosis, treatment, and provisions for serving patient retrieval are explored. Stresses formation of regional advisory committees before proceeding with newborn mass screening. Report from the Committee on Genetics of the American Academy of Pediatrics.
Journal article

Professional
Newborn Screening; Phenylketonuria; Hypothyroidism

"SICKLE CELL TRAIT RESTUDIED"

Res. Resources Rep. 2(1978):13-14
Summarizes a study conducted at Yale University's General Clinical Research Center on sickle cell trait. Demonstrates that there are no differences in physical or mental development between children with sickle cell trait and those children without. Reviews the errors and problems in the experimental design of other studies that suggested there may be differences between the two types of children.
Journal article

Adult; Professional
Sickle Cell Trait

"SINGLE-GENE DISORDERS"

Kirkmann, H. N.

Pediatr. Ann. 7(1978):401-12
Defines and describes examples of single gene disorders in clinical terms. Presents pedigrees of autosomal recessive, dominant, and X-linked disorders. Mentions the use of genetic counseling in primary care practices.
Journal article

Professional
Genetic Diseases; Review; Genetic Counseling

"SIX GENERATIONS OF ONE FAMILY – LINKED TOGETHER BY A DEADLY GENE"

Kiester, J.

Today's Health, Mar. 1976:90-102
Details the history and symptoms of a rare disease, Joseph's disease, which is found in only one family line in the U.S. Attention is given to the role one

woman has played in acknowledging the disease, tracing family lineage and contacting people for vital medical information. Mentions other rare neurological diseases and urges families to record their medical histories.
Journal article

Adult
Joseph's Disease; Nervous System Diseases; Genetic Counseling

"SUSPENSE IN PREGNANCY"

Boutelle, A.

Vogue 168(1978):307-12
Describes the emotional turmoil a woman undergoes as she prepares for the process of amniocentesis. Relates the events involved in obtaining amniocentesis from the patient's viewpoint. Useful for the professional as well as the lay public.
Journal article

College; Adult; Professional
Prenatal Diagnosis; Amniocentesis; Personal Narratives

"TAY-SACHS SCREENING: SOCIAL AND PSYCHOLOGICAL IMPACT"

Childs, B. et al.

Am. J. Hum. Genet. 28(1976):550-8
Describes the organization and results of two Tay-Sachs screening programs. Points out that there was no evidence of a negative impact on family plans or interpersonal relations. The lessening of inadequate feelings in carriers through counseling is documented. Suggests screening be done within the medical care system.
Journal article

Professional; Adult
Community Genetic Screening; Tay-Sachs Disease

"THYROID DISORDERS"

Hallal, J.

Am. J. Nurs. 77(1977):418-32
Describes the pathophysiology and clinical symptoms of hyper- and hypothyroidism. Demonstrates management procedures for the patient with these disorders. The drug therapies used for treating hypothyroidism are presented. Provides an overview of thyroid functions and disorders.

Journal article

Professional; Adult
Hypothyroidism

"THE VIRGINIA SICKLE CELL ANEMIA AWARENESS PROGRAM (VA SCAP)..."

Cooper, F. N., and Scott, R. B.

MCV Quart. 13(1977):151-53

Presents an overview of community screening, counseling, and educational components of the Virginia Sickle Cell Anemia Awareness Program at the Medical College of Virginia. The educational programs carried out in high schools are discussed. Stresses that screening should not be performed without prior genetic education. Describes tests used to determine the carrier states and the counseling of individuals found to be carriers.
Journal article

Professional; Adult
Genetic Counseling; Sickle Cell Anemia; Virginia

"WHAT SCIENCE CAN DO ABOUT HEREDITARY DISEASE"

Bylinsky, G.

Fortune 90(1974):148-60

Explores social, legal, and moral issues of genetic screening and prenatal diagnosis. Screening costs vs. lifetime care for genetic deficiences are estimated. Describes Tay-Sachs screening programs in Baltimore-Washington area. Emphasized problems in sickle cell anemia community screening programs. Concludes with newest research. Inset on Jet Propulsion Laboratory computerized chromosome analysis.
Journal article

Adult
Community Genetic Screening

"WILL OUR BABY BE 'NORMAL'?"

Newton, M.

Fam. Health, July 1976:62-63

Explains why genetic counseling has become necessary and gives some idea of the various methods of counseling utilized. Includes a brief discussion of diseases grouped as dominant, recessive,

sex-linked, or ethnic-related. Intended to allay fears regarding counseling and encourage all expectant couples to routinely seek this guidance.
Journal article

Adult
Genetic Counseling

"WILL YOUR BABY BE NORMAL?"
Malvik, E.

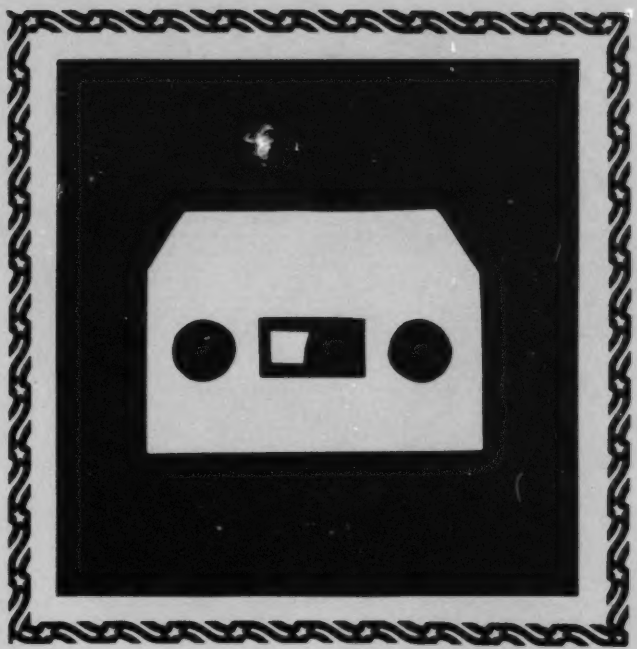
Sci. Dig. 78(1975):67-71
Describes the development of amniocentesis from its use in Rh-negative pregnancies to the prenatal diagnosis of genetic disorders. Includes techniques, along with some of the social and risk factors related to amniocentesis. Also gives information on fetoscopy (or amnioscopy). Inset explores some theories postulated as to the origin of the additional chromosome in Down's syndrome.
Journal article

Adult
Prenatal Diagnosis; Amniocentesis; Genetic Diseases

"WILSON'S DISEASE: DILEMMA FOR DIAGNOSTICIANS"

Res. Resources Rep. 2(1978):8-9
Briefly discusses the difficulty in diagnosing Wilson's disease. The research activity at the General Clinical Research Center at the University of Utah is summarized. Lists diseases that have symptoms similar to Wilson's disease. The need for genetic counseling of siblings is stressed.
Journal article

Adult; Professional
Wilson's Disease; Utah



AUDIO CASSETTES

AMNIOTIC FLUID ANALYSIS IN PRENATAL CARE

ACOG 1974

AUDDF

A lecture and panel discussion presentation on amniocentesis. Topics presented include: Techniques and hazards of amniocentesis; fetal assessment by amniotic fluid testing; amniotic fluid testing in diabetic, prolonged pregnancies, and Rh isoimmunized pregnancies. ACOG Audio Education Tape Series

AC/170 min./mag. sd.

Course outline

Professional

Prenatal Diagnosis

ANTENATAL DIAGNOSIS OF GENETIC DISORDERS

Stenchever, M. A.

ACOG 1977

MEDIS

Presents a panel discussion between three medical geneticists on antenatal diagnosis of genetic diseases. Discussion revolves around genetic counseling as it relates to good medical practice. Recommendations for offering amniocentesis and alternatives to abortion are given. Laboratory, ethical, and legal issues are discussed, as well as presenting costs of amniocentesis and ultrasound. Update Series

AC/45 min./mag. sd.

Professional

Genetic Counseling; Prenatal Diagnosis

RISE AND FALL OF MOLECULAR GENETICS

Stent, G.

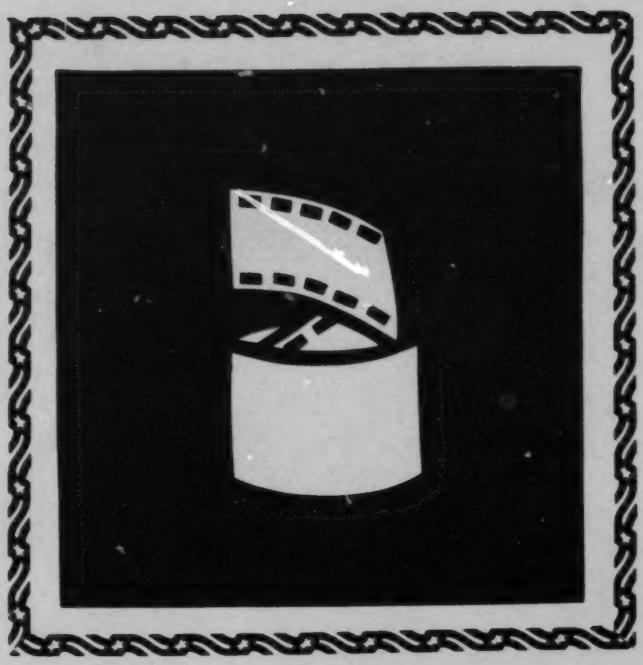
UCEMC 1968

Lecture presentation of Gunther Stent's philosophical perspective on mankind and how it relates to the sciences in general and genetics in particular. Divides the history of science and genetics into four areas: the classical period, the dogmatic era, the romantic period, and the academic period.

AC/240 min./mag. sd.

College

Molecular Genetics; Biochemical Genetics



FILMSTRIPS

EVOLUTION

SCHLAT 1974

These six color-sound filmstrips present theories on the formation of new species of plants and animals. Describes Darwin's extensive observations and Mendel's contribution to genetic and evolutionary thought. Develops a definition of species. Introduces the concepts of human genetics applicable to evolution. Examines the environment's and man's role in speciation, evolution, and extinction.
FS (Series)/91 min./col./mag. sd.
Teacher's guide
Adult; Secondary
Evolution

RH – BLOOD TYPING

Lab-Aids, Inc. 1971

Outlines, in a step-by-step process, the method of withdrawing blood from the finger for use in blood typing. Describes the process of agglutination and shows with photographs the clumping of red blood cells on microscope slides. To be used with the Rh blood typing kit marketed by Lab-Aids which includes anti-Rh factor serum. Look 'n Listen series
FS/10 min./col./mag. sd.

College; Secondary
Immunogenetics; Rh-factor

SICKLE CELL ANEMIA: CAUSE AND EFFECTS

Gering, R. L.
IAI 1974
WARDS
Presents an introduction to the biological, genetic, and clinical aspects of sickle cell disease. Describes the structure of the hemoglobin molecule, explains the physical differences between sickle cell and normal hemoglobin, and summarizes several basic types of pathology resulting from sickling. Electrophoresis and protein fingerprinting are explained quite well. Points out the selective advantage of sickle cell trait in regions endemic with certain types of malaria. Gives inaccurate data on incidence of the disease and on the prognosis for those with sickle cell disease in the United States.
FS/45 min./col./mag. sd.
Worksheet
Adult; Professional
Sickle Cell Anemia; Sickle Cell Trait

GAMES

THE SICKLE CELL LEARNING GAME

ENTED 1977
BCHS

Reinforces the teaching of the basic facts about sickle cell anemia by means of a straightforward question and answer format, true or false board game designed for two players, plus a referee. Includes a supplementary booklet which should be used only in conjunction with explicit classroom instruction.
G/100 cds./bd.
Booklet
Secondary
Sickle Cell Anemia; Sickle Cell Trait

107

LABORATORY EXERCISE KITS AND TEACHING KITS

CHROMOSOME SIMULATION BIO KIT

CBSC 1976

Contains materials sufficient for thirty students to simulate chromosome behavior during mitosis and meiosis. Provides three separate exercises: mitosis, meiosis, and crossing-over and chromosome aberrations. Worksheets direct the student to construct and alter models of chromosome behavior using materials provided in the kit. Teacher's manual suggests follow-up, optional exercises, discussion ideas, and further reading.
KT (Laboratory Exercise)
Teacher's Guide
Secondary
Chromosomes; Mitosis; Meiosis; Chromosome Abnormalities

GENETICS CONCEPTS BIO KIT

CBSC 1974

Contains materials (toothpicks, vials and worksheets) for thirty students to simulate the transfer of genetic material and to manually construct and rearrange simulated chromosome sets. Worksheets direct the calculation of probability in regard to three demonstrations involving dihybrid and monohybrid crosses. Teacher's manual provides discussion suggestions, additional exercises and a reading list.
KT (Laboratory Exercise)
Teacher's Guide
Secondary
Chromosomes; Genetics

HUMAN CHROMOSOME ANALYSIS BIO KIT

CBSC 1976

Contains materials for thirty students. Photos of metaphase spreads of the following are provided: normal male, G-trisomy Down's Syndrome, D/G translocation Down's Syndrome, B-deletion (Cat Cry Syndrome). Forms for preparing karyotypes are furnished. A student worksheet guides this preparation and provides information regarding the mechanisms by which abnormalities occur. Teacher's guide is included.
KT (Laboratory Exercise)
Teachers' Guide
Secondary

Chromosomes; Chromosome Abnormalities; Down's Syndrome; Cytogenetics

HUMAN GENETIC TRAITS KIT

CBSC 1978

An abridged version of Human Genetic Traits Bio Kit[R]. Provides material for thirty students to study several genetic traits of the human hand and head. Teacher's manual suggests further family and community studies, discussion topics and further reading.
KT (Laboratory Exercise)
Teacher's Guide
Secondary
Human Genetics

HUMAN GENETICS BIO KIT

CBSC 1973

Used for comparison of taste responses to chemical test papers and suggests additional exercises in population study. Includes factsheets, chemical papers and teacher's guide. To be used for a class of 30.
KT (Laboratory Exercise)
Teacher's Guide
Secondary
Population Genetics; Human Genetics

HUMAN GENETICS TRAITS BIO KIT

CBSC 1977

Provides materials for thirty students to identify and record their possession or lack of several genetic traits in the hand and head regions of the body. Teacher's manual suggests methods to use kit generated data for individuality demonstration, probability of trait duplication, family study, and community study along with discussion topics and suggested reading.
KT (Laboratory Exercise)
Teacher's Guide
Secondary
Human Genetics

SICKLE CELL BIO KIT

CBSC 1973

Contains material sufficient for thirty students to perform tests to differentiate between normal

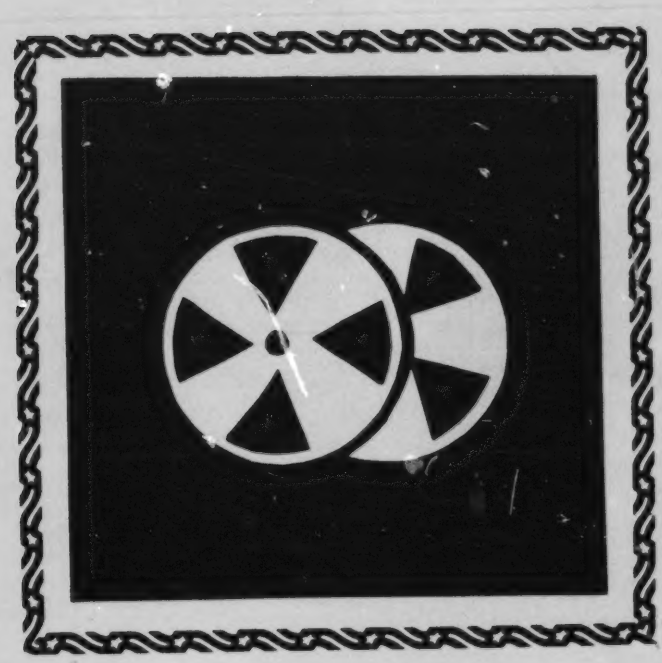
blood cells and cells with sickle cell trait. Worksheets outline the steps to test for the presence of abnormal cells with the phosphate solubility test and also direct the student through a crisis simulation involving a sickling inducer. Includes Teacher's manual and perishable materials.

KT (Laboratory Exercise)
Teacher's Guide
Secondary
Sickle Cell Anemia; Sickle Cell Trait

TRACKING DOWN THE SICKLE CELL
Jackson, E. B. et al.
ALLBAC 1976

"Tracking Down the Sickle Cell" is a short course which explains the mode of transmission, the effects, and the treatment for sickle cell anemia. Explores the medical, personal, and social aspects of the disease and provides a basis for personal decision making. Included in the learning kit are thirty student booklets, an implementation and leader's guide, duplicator masters for worksheets, microscope slides, and a poster. Two films, "The Red Blood Cell" and "Living with Sickle Cell Anemia," are designed to be shown with this genetics program.

KT (Teaching Kit)
Student and teacher's guide; Films
Adult; Secondary
Sickle Cell Anemia



MOTION PICTURES

AUTOSOMAL DOMINANT INHERITANCE

NFMD

NFMD 1977

MIFE

A man with achondroplastic dwarfism, his wife, and their child provide a realistic example of autosomal dominant inheritance. Includes an explanation of meiosis and the way genetic material is transmitted. Explains the basis of the 50/50 chance for each offspring featured to have achondroplasia. Using pedigrees, describes the basis for understanding Mendelian ratios in selected families.

16mm MP/12 min./col./opt. sd.

Adult; Secondary

Human Genetics

AUTOSOMAL RECESSIVE INHERITANCE

NFMD

NFMD 1977

MIFE

Describes how any autosomal recessive trait is inherited using albinism, the lack of body pigmentation, as an example. Presents a short discussion of pedigree analysis and explains how to calculate the probability that each offspring of a given set of parents will receive a single trait.

16mm MP/8 min./col./opt. sd.

Adult; Secondary

Human Genetics

BIOLOGY SERIES

See individual title:

The Cell: A Functioning Structure, Part II

BLUEPRINT FOR LIFE

NFMD

NFMD 1970

MIFE

Presents a detailed explanation of chromosomes and cell division including meiosis, fertilization, formation of the zygote, and mitosis. Examines the various chromosome defects leading to disease and includes the symptoms of syndromes such as Down's, Klinefelter's, Turner's and cri du chat.

16mm MP/14 min./col./opt. sd.

Adult; College

Chromosomes; Chromosome Abnormalities

THE CELL: A FUNCTIONING STRUCTURE, PART II

MGHT 1972
ASFI
Using unique diagrams and animation describes the processes of DNA transcription and translation. An in-depth discussion of molecular diseases and the functions of mitochondria and chloroplasts are presented. Includes interviews with three authorities in the areas of sickle cell disease and mitochondrial and chloroplast functions. Illustrates the Jacob-Monod model of gene regulation. Biology Series
16mm MP/32 min./col./opt. sd.
Teacher's Guide
Secondary
Molecular Genetics; Genetic Code

CELL DIVISION: MITOSIS AND MEIOSIS

MGHT 1975
ASFI
Provides an introduction to mitosis and meiosis and defines growth in terms of these cellular functions. Uses cinemicroscopy of cultured cells and scanning electron micrographs to highlight cell division. Computer simulated animation depicts DNA replication during interphase and the condensation of the molecule to form the metaphase chromosome. Does not adequately stress the relationship between germ cell formation and the meiotic process.
16mm MP/20 min./col./opt. sd.
Teacher's Guide
Adult; Secondary; Intermediate
Meiosis; Mitosis; Molecular Genetics

CHROMOSOMAL ABNORMALITIES: THE AUTOSOMES

NFMD
NFMD 1972
MIFE; NMAC
Presents the signs, symptoms, and prognosis of patients with trisomies 13, 18, and 21 in clinical terms. Chromosomal deletions resulting in the appearance of the Philadelphia chromosome and in the cri du chat syndrome are characterized. Highlights the types of translocations found in Down's, Edward's and Patau's syndromes and demonstrates, using animation, how pericentric and paracentric inversions occur. Medical Genetics Series

16mm MP/21 min./col./opt. sd.

Professional
Chromosome Abnormalities;
Autosomal Syndromes

CHROMOSOMAL ERRORS

NFMD
NFMD (nd)
MIFE; NMAC

A genetic counseling situation becomes an exploration into a description of the normal human karyotype, meiosis, and fertilization. Focuses on autosomal and sex chromosome defects leading to Down's, Edward's, Patau's and Klinefelter's syndromes. Using animation illustrates the process of amniocentesis. Shows how the genetic counselor analyzes karyotypes and presents options based on statistics and hereditary patterns.

16mm MP/10 min./col./opt. sd.

Adult; Secondary
Chromosome Abnormalities; Genetic Counseling

CHROMOSOME ABNORMALITIES: THE SEX CHROMOSOMES

NFMD
NFMD (nd)
MIFE; NMAC

Characterizes common abnormalities of the sex chromosomes. Focuses on clinical signs and symptoms of Turner's, Klinefelter's, and Triple-X syndromes. Includes a case presentation of a patient with Lesch-Nyhan syndrome. Examines role of secondary non-disjunction in XYY and XXX anomalies and the significance of the Lyon hypothesis in sex chromosome constitution.

Medical Genetics Series

16mm MP/24 min./col./opt. sd.

Professional
Chromosome Abnormalities;
Sex Chromosome Abnormalities

CHROMOSOME BANDING TECHNIQUES

NFMD
NFMD 1974
MIFE

Provides an overview of five cytogenetic laboratory techniques for staining and identifying human chromosomes. After each technique is demonstrated photomicrographs of the stained or banded chromosomes are shown. Shows how chromosome abnormalities such as new trisomies, translocations, and

inversions were discovered. Presents the international standardization of chromosome bands resulting from the 1971 Paris Conference Report. Medical Genetics Series
16mm MP/18 min./col./opt. sd.

Professional; College; Secondary
Chromosomes; Cytogenetics

THE CHROMOSOMES: GENERAL CONSIDERATIONS

NFMD
NFMD 1972
MIFE; NMAC
Reviews the process of normal human karyotype preparation, presents chromosomal nomenclature, and describes the variations seen in normal karyotypes. Elucidates the distinguishing characteristics for each group of chromosomes. Autosomal aneuploidy is discussed using Down's, Patau's and Edward's syndromes as examples. Medical Genetics Series
16mm MP/14 min./col./opt. sd.

Professional; Secondary
Chromosomes

THE CHROMOSOMES OF MAN

Makino, S.
EBEC 1967
Shows laboratory procedure involved in preparing blood cells for microscopic examination. Illustrates chromosome photography and karyotype preparation. Notes abnormalities and resulting syndromes: Turner's, Klinefelter's, cri du chat, and Down's. Depicts cancerous cell chromosome deviations and suggests possible chromosomal damage by radiation and chemicals. Incidence figures are out-dated. Heredity and Adaptive Change Series.
16mm MP/21 min./b&w/opt. sd.

Adult; College; Secondary
Chromosome Abnormalities

A CLOSER LOOK AT SICKLE CELL ANEMIA

GDP (nd)
CHMCNC
Introduces sickle cell anemia and sickle cell trait. Uses animation and interviews with patients as well as nationally known experts

to present the mechanism of sickle cell disease transmission, ethical issues in genetic counseling and screening, the changes in the beta globin chains and describes several types of sickle cell crises. The need for counseling in conjunction with screening programs is stressed and non-directive counseling is encouraged.
16mm MP/28 min./col./opt. sd.

Secondary; Adult
Sickle Cell Anemia; Sickle Cell Trait

COLOR HER SUNSHINE

WCET TV (nd)
ASFI
Presents the positive aspects of raising a Down's Syndrome child. Classifies Down's children as trainable and stresses the need for teaching them social and self-help skills. Discusses employment opportunities provided by sheltered workshops. Examines, in an interview with Mrs. Hubert Humphrey, the problems families encounter as they raise a Down's child. Does not discuss prenatal diagnosis or genetic counseling.
16mm MP/21 min./b&w/opt. sd.

Adult
Down's Syndrome; Personal Narratives

CYSTIC FIBROSIS

NIH 1967
NMAC
Clinical findings, management, and prognosis of infants and children with cystic fibrosis are presented. Compares and contrasts the normal and cystic fibrosis pancreas and liver at autopsy. Demonstrates the use of the mist tent and drainage procedures, and explores the therapist's role with cystic fibrosis patients. Common errors in misdiagnosis are stressed. Current to late 60's.
16mm MP/25 min./col./opt. sd.

Professional
Cystic Fibrosis

DEVELOPMENT AND DIFFERENTIATION

MGHT 1972
ASFI
Presents an introduction to embryology and molecular genetics. Points out that the repository of

cellular information is DNA located in the chromosomes. The differences found in cells that carry the same genetic makeup are explained. Reviews with animation the synthesis of proteins from messenger RNA. Discusses the importance of masked messenger RNA.

16mm MP/20 min./col./opt. sd.

Teacher's Guide

Adult; Secondary

Developmental Biology; Molecular Genetics

DIAGNOSIS OF HIDDEN CONGENITAL ANOMALIES

NFMD

NFMD 1969

MIFE

Demonstrates simple methods of examining the newborn for the following congenital abnormalities: choanal atresia, laryngeal stenosis, esophageal atresia, intestinal obstruction, rectal atresia, cleft palate, diaphragmatic hernia. Animated diagrams illustrate the internal problems of each condition. Stresses the importance and ease of examination for hidden congenital defects in the first few minutes of life.

16mm MP/10 min./col./opt. sd.

Professional

Birth Defects

DNA: BLUEPRINT OF LIFE

Wiley 1968

MEDIAG

Describes DNA and the genetic code using still photography, time-lapse photomicroscopy, and electron microscopy. Shows how DNA is used as the template for the synthesis of proteins. Includes a description of proteins, the structure of DNA, and the use of messenger and transfer RNA.

16mm MP/17 min./col./opt. sd.

Film Guide

Adult; College; Secondary

Molecular Genetics; Genetic Code

D.N.A. STORY

VSM Productions (nd)

MEDIAG

Presents a review of events leading up to the discovery of the structure of DNA. Watson and Crick summarize the data used in building their correct model of the DNA molecule. Pauling discusses his thoughts and work

behind his elucidation of protein structures. Wilkins summarizes the X-ray crystallography work which provided the information used by Watson and Crick.
16mm MP/50 min./col./opt. sd.

Professional; College
Genetics; Genetic Code

EDDIE

MEDIAG 1974

Dramatic presentation of the impact of mental retardation on the family. Focuses on the responses of a young couple to the news that their baby has Down's syndrome. The film deals with the father's struggle to accept his son's handicaps and explores the responsibilities of being a parent of the handicapped.
16mm MP/27 min./col./opt. sd.
Film Guide
Adult
Down's Syndrome; Psychological Aspects

ENZYME DEFECTS AND DNA

NFMD 1969
MIFE

Describes inborn errors of metabolism using the one gene-one enzyme concept. Uses galactosemia and phenylketonuria as examples illustrating how defects in metabolic enzymes can lead to birth defects. Presents short descriptions of the Avery-McCartney-McCloud and the Hershey-Chase experiments to show that DNA is the genetic material. On the verge of being outdated, but still useful for basic science instruction. Medical Genetics Series
16mm MP/15 min./col./opt. sd.

Professional; Adult
Metabolism, Inborn Errors; Phenylketonuria; Galactosemia

GENE ACTION

Bonner, D.
EBEC 1963

Discusses the structure of DNA and the way the genetic code determines the nature of the cell's protein. Shows how experimental changes in the DNA by ultra-violet light alter cell proteins. Another experiment involving bread mold, Neurospora, illustrated that genetic mutation can inhibit specific

biochemical reactions. Heredity and Adaptive Change Series.
16mm MP/17 min./col./opt. sd.

College; Secondary
Genetic Code; Heredity

GENETIC COUNSELING I: HEREDITY AND BIRTH DEFECTS

MIFE 1974

Summarizes basic genetic principles and how human traits are inherited. Describes the fertilization process, the normal human karyotype, and the lab procedures used to analyze chromosomes. The clinical signs and the genetic basis for the common trisomies are discussed. Useful as supplementary material; should not be used alone. Ob/Gyn Health Series.
16mm MP/11 min./col./opt. sd.

Adult
Human Genetics; Chromosome Abnormalities; Birth Defects

GENETIC COUNSELING III: THE RH NEGATIVE MOTHER

MIFE 1974

Explains in lay terms Rh immunization, the testing procedure involved, and the effects on the fetus. Using diagrams and animation shows how maternal antibodies cross the placenta and destroy fetal blood cells. Stresses the importance of immunization after each pregnancy for Rh negative mothers. Ob/Gyn Health Series.
16mm MP/10 min./col./opt. sd.

Adult; Secondary
Genetic Counseling; Rh-factor

GENETIC DEFECTS: THE BROKEN CODE

NET 1973
IU
Explains, in layman's terms, three ways genetic diseases are transmitted from parents to children. Includes interviews with people whose lives have been affected by cystic fibrosis, Huntington's disease, hemophilia, immune deficiency diseases, Down's Syndrome,

sickle cell anemia, and sex-linked diseases. Examines the ethical, legal, and moral aspects of genetic counseling and community and newborn screening. Documents then current research in the area of prenatal diagnosis of genetic diseases.
16mm MP/87 min./col./opt. sd.

Adult; Secondary
Medical Genetics; Genetic Diseases

GENETIC POLYMORPHISMS AND EVOLUTION
NFMD
NFMD 1976
MIFE
Defines genetic polymorphisms. A moth and human sickle cell hemoglobin are used to illustrate the role of natural selection in producing genetic polymorphisms. Describes the advantage of the sickle cell trait in populations exposed to malaria. Defines balanced polymorphism and genetic load. Points out that recent environmental changes can reverse historical trends and alter gene frequencies. Medical Genetics Series.
16mm MP/16 min./col./opt. sd.

College; Secondary
Evolution

GENETICS

USDA 1961
NAC
Presents a lecture given by Dr. George W. Beadle, Nobel Prize winner, on molecular genetics. Discusses the genetic code, the structure of DNA, how it is copied and transcribed into RNA, and how proteins are made. Stresses the concept that DNA is the primary source of information and proteins are the secondary source; reviews genetic evidence that supports this conclusion. Problems in differentiation and the role of mutation in natural selection are discussed.
16mm MP/52 min./b&w/opt. sd.

Adult; Secondary
Molecular Genetics

GENETICS AND YOU
NFMD
NFMD 1976
MIFE

Presents a fanciful look at cloning, genetic engineering, and the human genetics of the future. Using animation, illustrates the mechanisms of gene transmission and also presents a fanciful look at the workings of a cell. Stimulates thought about the ethical implications of genetic engineering, controlled mating and test-tube babies.
16mm MP/11 min./col./opt. sd.

Adult; Secondary
Human Genetics; Genetic Engineering

GENETICS: CHROMOSOMES AND GENES

CORF 1968

Presents through models the basic process of meiosis and the precision required in DNA replication. Crossing over, inversions and deletions, kinetochore replication and mutation are all examined. Develops the concept that the individual differences of plants and animals are traceable to the sperm and egg cells produced through the process of meiosis. Outlines Mendel's pea experiments and describes the building blocks of the DNA molecule.
16mm MP/16 min./col./opt. sd.

Secondary
Meiosis; Chromosomes

GENETICS: FUNCTIONS OF DNA AND RNA

CORF 1968

Examines the functions of DNA and RNA in transcription and translation. Models are used to explain these processes as well as to describe the structure of DNA. Shows how the four bases or building blocks of DNA are assembled. Concept of redundancy is examined and the theory that DNA controls differentiation is mentioned.
16mm MP/13.5 min./col./opt. sd.

Secondary
Genetic Code

GENETICS: HUMAN HEREDITY

CORF 1968

Presents three of the many fields in human genetics research.

Biochemical genetics, behavioral genetics, and population genetics are examined using examples from each discipline. Discusses how twin studies are used to investigate the nature-nurture question in behavioral genetics; sickle cell disease is used as an example in biochemical genetic research; and the study of the distribution and incidence of Cooley's anemia in Italy is mentioned as a topic studied by population geneticists.
16mm MP/13.5 min./col./opt. sd.

Secondary
Human Genetics; Population Genetics

GENETICS: MENDEL'S LAWS

CORF 1962

Examines the laws of dominance, segregation and independant assortment using a reenactment of Mendel's experiments with pea plants. Includes scenes photographed in Mendel's own garden in Brno, Czechoslovakia. Concepts of incomplete dominance and the chromosome theory of inheritance are explored through the work of Morgan, Mueller, De Vries, and Covens. Somewhat dated but still useful.
16mm MP/13.5 min./col./opt. sd.

College; Secondary
Heredity; Mendel, Gregor

THE GENETICS OF TRANSPLANTATION

NFMD
NFMD 1975
MIFE

Describes the relationship between major histocompatibility antigens and organ transplant survival. Discusses the ABO and HLA system. Uses old HLA terminology; and the concept of the human major histocompatibility complex is not described or presented clearly. Blood and tissue typing techniques and a kidney transplant are highlighted. Medical Genetics Series.
16mm MP/19 min./col./opt. sd.

Professional
Immunogenetics

HEREDITY AND ADAPTIVE CHANGE SERIES

See individual title:
The Chromosomes of Man
Gene Action

Laws of Heredity
Meiosis - Sex Cell Formation

HEREDITY AND ENVIRONMENT

MGHT 1977

Explores the interaction between heredity and environment on human development. Discusses the role of nutrition and culture in mental and physical growth. The interaction between social and emotional growth is also examined.
16mm MP/27 min./col./opt. sd.
Teacher's Guide
Adult; Secondary
Genetics; Human Development; Environment

HISTORY OF GENETICS

NFMD
NFMD 1972
MIFE; NMAC

Traces the history of genetics from Mendel to Mueller, giving the major contributions of Galton, Sutton, Garrod, Bateson, Hardy, Weinberg, Johanssen, Morgan, Bridges and Landsteiner. Using diagrams describes the normal human karyotype and presents the individual chromosome identification techniques. Provides a thorough review of mitosis and meiosis and gives a basic introduction to probability. Medical Genetics Series.
16mm MP/19 min./col./opt. sd.

Professional
Human Genetics

HUMAN GENE MAPPING BY SOMATIC CELL HYBRIDIZATION TECHNIQUES

NFMD
NFMD 1974
MIFE

Describes the development of somatic cell hybridization techniques and their application in human gene mapping. Animation and documentary cinematography detail the formation of mouse/human hybrid cells. Includes an analysis of mouse/human hybrid cells for the expression of specific gene markers. Concludes with the presentation of a human gene map, contemporary as of 1974. Medical Genetics Series.
16mm MP/19 min./col./opt. sd.

Professional
Gene Mapping; Cytogenetics

HUMAN HEREDITY – REVISED

WFP 1969
PEREN

Presents basic concepts of human genetics. Documents student interaction during an actual classroom lesson in genetics. Describes how characteristics are inherited and how chromosomes are carried within sperm and egg cells. Using animation, describes the fertilization process and demonstrates how genes determine inherited characteristics. Discusses influence of culture and heredity on temperament and behavior.

16mm MP/21 min./col./opt. sd.

Adult; Secondary
Human Genetics

JAMES AND JOHN

PCHENT 1973

Tells the story of two dizygotic, 10 year old twins with Down's Syndrome. Shows how they master daily tasks such as brushing their teeth. Designed for the special education teacher, the film describes the twins' socialization and stresses its dependence on daily interaction at home and school. Points out the importance of not isolating such children from society.

16mm MP/21 min./col./opt. sd.
Study Guide
Professional
Down's Syndrome

THE KENNEDY FAMILY OF ALBUQUERQUE

Wright, E.
WEBC 1977
CAROUF

Cinema verite technique brings the viewer into the home and daily lives of the Kennedys of Albuquerque, N. Mex. Shows how they interact with each other, and in particular, with their twelve-year old Down's Syndrome son.

16mm MP/60 min./col./opt. sd.
Guide
Adult; Secondary
Down's Syndrome

LAWS OF HEREDITY

Stern, C.
EBEC 1963

Animation used to present a series of experiments in genetics, including some tests performed by

Mendel with various strains of garden peas. Also utilizes simple models to illustrate probability and dominance, stressing that Mendelian inheritance is determined in statistically predictable ways.

Heredity and Adaptive Change Series

16mm MP/15 min./col./opt. sd.

College; Secondary

Heredity; Mendel, Gregor

LINKAGE – POPULATION GENETICS

NFMD

NFMD 1972

MIFE

Reviews the basic principles of population genetics concentrating on the concept of gene linkage. Defines independent assortment, recombination and the recombinant fraction using selected examples. Distinguishes between genetic linkage and association of diseases or blood groups with marker loci. Presents the principles of the Castle-Hardy-Weinberg Law and the conditions which disturb genetic equilibrium in populations. Bias of ascertainment, genetic drifts, and polymorphisms in the population are also discussed. Not well organized; but useful as a basic introduction to population genetics.

16mm MP/20 min./col./opt. sd.

Professional

Human Genetics; Population Genetics

THE LIVING CELL: DNA

EBEC 1976

Introduces the science of genetics with an overview of Darwin's work, a visit to the Galapagos Islands, and a brief review of Mendel's pea experiments. Describes the laboratory techniques used to isolate DNA, and examines the evidence that DNA is the genetic material. Using animation, investigates the structure of DNA and shows how X-ray crystallography helped in elucidating this structure. Also, describes the fertilization process, DNA replication, transcription, and translation. Discusses the impact of mutation on speciation.

16mm MP/20 min./col./opt. sd.

Fact Sheet

Secondary

Genetic Code

LIVING WITH SICKLE CELL ANEMIA

Jackson, E. B. et al.

ALLBAC 1976

Describes the effects of sickle cell anemia on a woman, her family, and the community. Fails to distinguish between sickle cell disease and sickle cell trait. Stresses the negative aspects of the disease and also lacks a discussion of the genetics involved. Not to be used without the kit, "Tracking Down the Sickle Cell."

16mm MP/12 min./col./opt. sd.

Student and teacher's guide; Kit

Adult; Secondary

Sickle Cell Anemia

MEDICAL GENETICS SERIES

See individual title:

Chromosomal Abnormalities: The Autosomes

Chromosome Abnormalities: The Sex Chromosomes

Chromosome Banding Techniques

The Chromosomes: General Considerations

Enzyme Defects and DNA

Genetic Polymorphisms and Evolution

The Genetics of Transplantation

History of Genetics

Human Gene Mapping by Somatic Cell Hybridization Techniques

Pedigree Patterns

Prenatal Diagnosis by Amniocentesis

MEIOSIS

CSIROA 1956

IFB

Outlines the course of events in the formation of germ cells. Uses animation to explain fertilization, crossing over, and the formation of daughter cells. Useful as a review of the meiotic process. Includes a brief discussion of plant genetics.

16mm MP/12 min./col./opt. sd.

Secondary

Meiosis

MEIOSIS – SEX CELL FORMATION

EBEC 1963

A somewhat outdated film which presents the concepts involved in meiosis, the process of sex cell

formation. Animation is used extensively to explain and simplify the processes of meiosis and fertilization. Includes a short discussion on crossing over and recombination. Heredity and Adaptive Change Series.
16mm MP/20 min./col./opt. sd.

Adult; Secondary
Meiosis

MITOSIS

CSIROA 1958
IFB
Illustrates with animation and graphics the cellular process of mitosis. Changes in cell wall, nucleus, chromosomes, and spindle fibers are clearly demonstrated. Very basic film that is useful for introducing the concept of cell division.
16mm MP/9 min./col./opt. sd.

Secondary
Mitosis

MUSCULAR DYSTROPHY AND RELATED CONDITIONS: DIFFERENTIAL DIAGNOSIS

STGT 1966
NMAC
Describes age of onset, severity, prognosis, and mode of inheritance for various types of muscular dystrophy. Focuses on the muscle involvement of each disease. The need for physician sensitivity and a complete family history is stressed. Presents related neurological and collagen diseases often misdiagnosed as muscular dystrophy.
16mm MP/35 min./col./opt. sd.

Professional
Muscular Dystrophy; Neuromuscular Diseases

OB/GYN HEALTH SERIES

See individual title:
Genetic Counseling I: Heredity and Birth Defects
Genetic Counseling III: The Rh Negative Mother

PEDIGREE PATTERNS

NFMD

NFMD 1972

MIFE; NMAC

Presents the principles involved in pedigree analysis and construction with recessive, dominant, and X-linked diseases. Pedigrees of brachydactyly and achondroplastic dwarfism illustrate autosomal dominant inheritance. Pedigrees of albinism, Crigler-Najjar syndrome, and Morquio syndrome illustrates autosomal recessive inheritance. Presents pedigrees of hemophilias as an example of X-linked recessive diseases. Medical Genetics Series.

16mm MP/17 min./col./opt. sd.

Professional

Pedigree; Genetic Counseling

PKU – PREVENTABLE MENTAL RETARDATION

Ross, C. J.

IFB 1966

Describes phenylketonuria (PKU) in clinical terms using case histories. Stresses the difficulties encountered in diagnosing children with PKU, the need for newborn screening programs, and the importance of early diagnosis of the disorder. Focuses on the benefits derived from instituting a phenylalanine-free diet early in life. Includes inaccurate incidence figures and does not mention the maternal PKU effect.

16mm MP/16 min./col./opt. sd.

Professional

Phenylketonuria

PRE-NATAL DIAGNOSIS BY AMNIOCENTESIS

MIFE (nd)

Examines genetic counseling and amniocentesis using two counseling sessions with couples at risk. Discusses the laboratory methods involved and stresses quality control. Illustrates with animation the procedure of withdrawing amniotic fluid and explains the risks involved. Shows the procedure for making a chromosomal complement but does not distinguish between a chromosomal complement and a karyotype. Medical Genetics Series

16mm MP/26 min./col./opt. sd.

Professional

Amniocentesis; Prenatal Diagnosis; Genetic Counseling

THE RED BLOOD CELL

Jackson, E. B. et al.

ALLBAC 1976

Uses cinephotomicrographs to follow normal and diseased red blood cells as they pass through blood vessels and the spleen. Deals respectively with normal red blood flow, flexibility of cells passing through the spleen with emphasis on blockage by diseased cells, and the sickling action in sickle cell disease. Only available in conjunction with "Tracking Down the Sickle Cell" kit.

16mm MP/6 min./col./opt. sd.

Student and teacher's guide; Kit

Adult; Secondary; Sickle Cell Anemia

RH – THE DISEASE AND ITS CONQUEST

NFMD

NFMD 1974

MIFE

Outlines the historical background of the understanding and control of Rh disease. Discusses in some detail the genetics of the Rh factor and the treatment of erythroblastosis fetalis. The techniques of amniocentesis, intrauterine and exchange transfusions, and immunization of the Rh negative mother are depicted.

16mm MP/18 min./col./opt. sd.

Professional

Rh-factor

RIDDLE OF HEREDITY

Voight, J.

TIMELI 1968

MGHT

General survey of genetics, beginning with a historical account of man's domestication and selective breeding of animals. Mendel's experiments are graphically illustrated. Uses photomicrography to show chromosomes and basic concepts of genetics. Briefly describes some genetic diseases. Concludes with suggested applications of genetic studies, i.e., improved rice crops to combat hunger. The World We Live In Series.

16mm MP/29 min./col./opt. sd.

Adult; Secondary

Heredity

SICKLE CELL ANEMIA: A GENETIC DISEASE

GDP 1978

CHMCNC

Delineates characteristics of sickle cell anemia and sickle cell trait. Presents the pattern for inheriting recessive sickle cell genes. Examines the structure and function of normal red blood cells and the normal hemoglobin molecule. Amino acid substitution in beta globin chains of sickle cell hemoglobin (Hb-S) is described. Mentions research into management of the disorder. Presents some options for young parents who have the trait. Stresses that sickle cell trait is not a disease.

Mentions the selective advantage of sickle cell trait against malaria.

16mm MP/15 min./col./opt. sd.

Secondary

Sickle Cell Anemia

THE SICKLE CELL STORY

MIFE 1977

Describes the historical background and physiology of sickle cell anemia and distinguishes between sickle cell disease and sickle cell trait. Features a young couple coming to terms with their carrier status and follows them through genetic counseling as they determine the risk of their expected child having the disease. Summarizes methods for prenatal diagnosis of sickle cell disease.

16mm MP/16 min./col./opt. sd.

Adult; Secondary

Sickle Cell Anemia; Genetic Counseling

THE SICKLE SHAPED CELL

GDP 1978

CHMCNC

Presents an interesting introduction to sickle cell trait and sickle cell anemia. Examines the concept of heredity using animals. Stresses that sickle cell trait is not a disease. Animation is used to explore modes of transmission of recessive defects. Structure of red blood cells is mentioned briefly.

16mm MP/12 min./col./opt. sd.

Secondary; Primary

Sickle Cell Anemia; Sickle Cell Trait

TOURETTE SYNDROME: THE SUDDEN INTRUDER

Addis, B.

UCLA 1978

Focuses on the behavior patterns and involuntary movements, and the social and emotional problems of Tourette Syndrome. Reviews the history of this disease. Animated sequences delineate normal brain functions and possible defects involved in Tourette Syndrome. Stresses that the syndrome is not a psychiatric disorder and outlines its diagnostic criteria.

16mm MP/53 min./col./opt. sd.

Professional; Adult

Tourette Syndrome

WHAT COLOR ARE YOU?

Scheinfeld, A.

EBEC 1968

Three boys representing the Oriental, White, and Black races are used to explore race and heredity's role in determining skin color. Indicates that different skin shades are the result of varying amounts of pigment and that chance mutations, which proved to be favorable to a particular climate, are believed to be the origin of different races.

16mm MP/15 min./col./opt. sd.

Intermediate

Heredity; Evolution

WORLD WE LIVE IN SERIES

See individual title:

Riddle of Heredity

X-LINKED INHERITANCE

NFMD

NFMD (nd)

MIFE

Uses color blindness to illustrate the inheritance patterns of X-linked recessive genes. Summarizes the mechanism of sex determination in humans and illustrates the inheritance pattern for any recessive gene on the X-chromosome. Mentions X-linked diseases such as retinitis pigmentosa, Lesch-Nyhan Syndrome, Hunter's Syndrome, Duchenne type muscular dystrophy, vitamin D resistant rickets and hemophilia.

16mm MP/11 min./col./opt. sd.

Adult; Secondary

Genetic Diseases; X-linked Diseases

POSTERS & CHARTS

DNA (DEOXYRIBONUCLEIC ACID): TURTOX BIOCHROME CHART

Turtox/Cambosco 1976
MACSC
Depicts the structure of the DNA molecule and demonstrates how it duplicates itself during cell division. All components are color keyed and differentiated through easily recognizable patterns.
PC/col.

College; Secondary
Genetic Code

MITOSIS: TURTOX BIOCHROME CHART

Turtox/Cambosco 1976
MACSC
A series of ten drawings illustrate the stages of animal mitosis, using the whitefish as an example. Two additional drawings show the metaphase stages of Ascaris and Tradescantia.
PC/col.

Secondary
Mitosis

RNA (RIBONUCLEIC ACID): TURTOX BIOCHROME CHART

Turtox/Cambosco 1975
MACSC
Depicts the RNA molecule and demonstrates how it guides and controls protein synthesis. Color-coded diagrams illustrate the formation of the RNA molecule on the DNA template and the mechanism of ribosomal protein synthesis.
PC/col.

College; Secondary
Genetic Code

SICKLE CELL ANEMIA

VaSC (nd)

Describes in lay terms the signs and symptoms of sickle cell anemia and shows how the disease is inherited. Provides sources of further information on sickle cell in Virginia. Sickle Cell Poster Series.

PC/col.

Adult
Sickle Cell Anemia; Virginia

SICKLE CELL ANEMIA CLINIC

VaSC (nd)

Describes the laboratory test used in detecting sickle cell trait. Provides sources of further information on sickle cell in Virginia. Sickle Cell Poster Series.
PC/col.

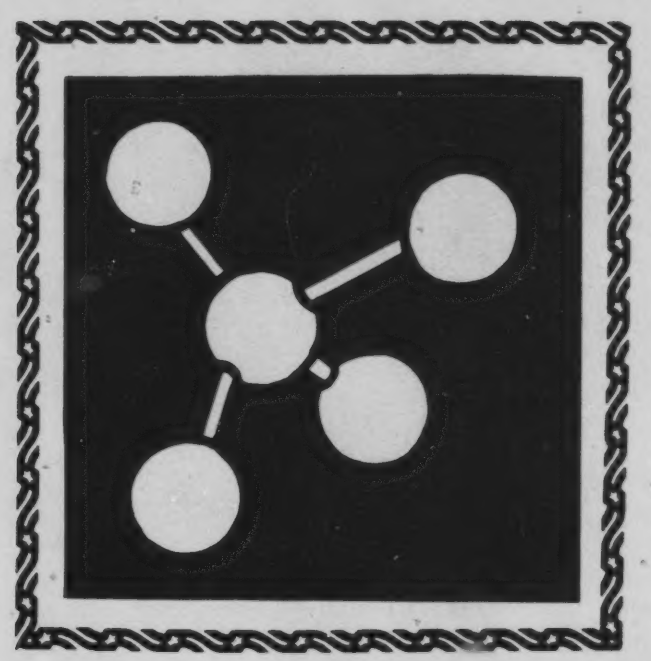
Adult
Sickle Cell Anemia; Sickle Cell Trait; Virginia

SICKLE CELL TRAIT

VaSC (nd)

Defines sickle cell trait. Mentions carrier frequency and stresses that sickle cell trait is not a disease. Provides sources of further information on sickle cell in Virginia. Sickle Cell Poster Series.
PC/col.

Adult
Sickle Cell Trait; Virginia



REAL OBJECTS

THE GENETIC CODER

Jervis, H. H.

Bobbitt 1978

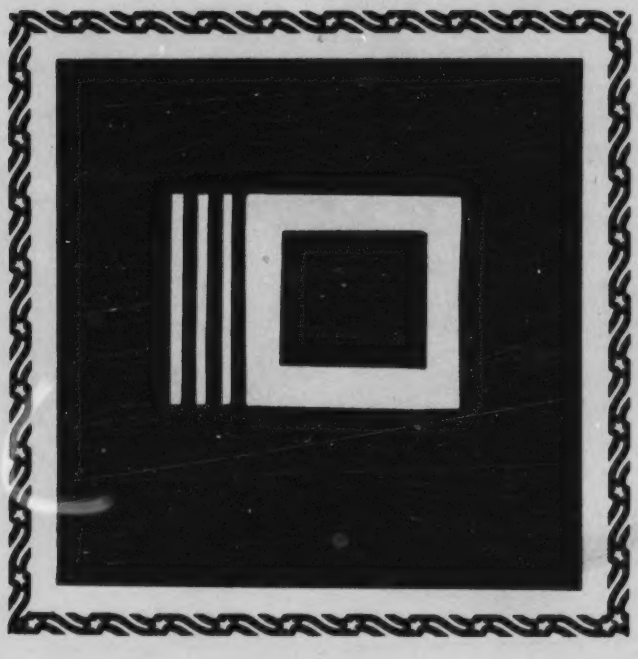
The Genetic Coder is a three dimensional model representing the genetic code. Enables the student to identify the basic, acidic, amphoteric and hydrophobic amino acids as well as to recognize the codons for each amino acid. Presents the concept of redundancy in the code. The accompanying workbook gives directions for using the Coder and includes a short review on the nature of the code, the classic experiments which led up to the codon assignments, and some speculation on the evolution of the code. Problems, with answers, are also included.

R

Workbook

College; Secondary

Genetic Code



SLIDE SETS

PATHOLOGY OF LESIONS OF THE CENTRAL NERVOUS SYSTEM

Zacks, I. S.

Medcom 1972

Photographs (slides) of gross specimens and histologic sections which depict neuropathologic lesions are shown. Presents both degenerative lesions and those resulting from abnormal metabolism. Both genetic and non-genetic diseases are included. Includes Huntington's Disease, Tay-Sachs disease, phenylketonuria, Friedreich's ataxia, Niemann-Pick disease, Sturge-Weber Syndrome. SS/100 fr./col.

Professional

Huntington's Disease; Friedreich's Ataxia; Tay-Sachs Disease; Phenylketonuria; Sturge-Weber Syndrome

SICKLE CELL

Upjohn 1975

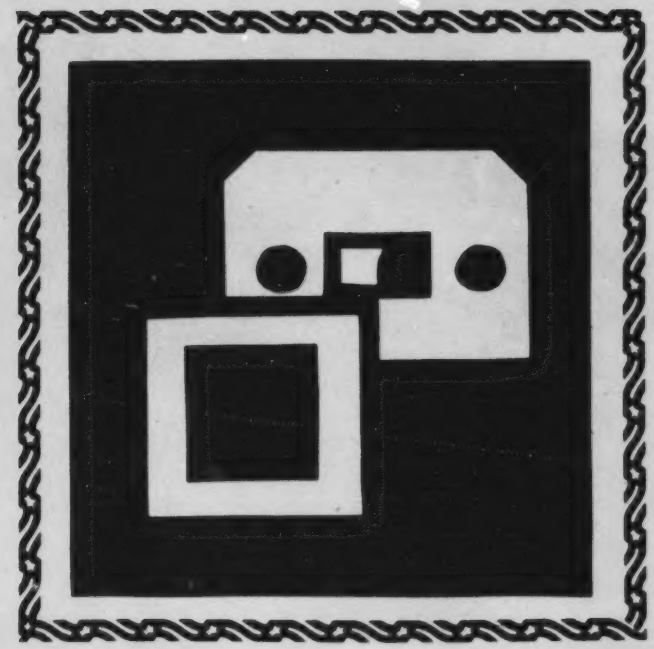
Presents photographs of patients and photomicrographs and electron micrographs which depict the pathology of sickle cell anemia and sickled red blood cells. Electron micrographs of spleen sections from an anemic patient are shown. Documents various complications in several patients including dactylitis, scleral icterus, leg ulcers, and bone changes. Bone marrow during aplastic crisis is also shown.

SS/50 fr./col.

Monograph; Script

Professional

Sickle Cell Anemia



SLIDE/TAPE LECTURES

BASIC GENETICS FOR DERMATOLOGISTS

AAD 1977

Self-instruction series on basic genetics and heritable skin diseases. Graphically illustrates the differences between DNA and RNA. Notes Mendel's laws and the formulations of pedigrees as related to genetic counseling. Photographs of abnormalities are included.
ST/60 min./40 fr./col./mag. sd.
Workbook
Professional
Genetics; Skin Diseases, Genetic

THE CLINICAL DIAGNOSIS OF TRISOMY 18 IN THE NEWBORN PERIOD

Harris, T. R. et al.
UArizHSC 1978

Describes in clinical terms the diagnostic criteria, management, and prognosis of trisomy 18 infants. Stresses the need to know correct diagnosis as early as possible to prevent unnecessary surgical intervention. Recurrence risks for trisomy 18 and translocation forms are delineated. Points out three distinctive clinical signs that distinguish one trisomy from another. Includes a case situation exercise.
ST/28 min./60 fr./col./mag. sd.
Teacher's guide
Professional
Chromosome Abnormalities

DOWN'S SYNDROME IN THE NEWBORN

UArizHSC 1978

Designed for the primary care physician, describes ten clinical signs of Down's Syndrome and lists the major factors associated with the increase in the incidence of Down's Syndrome in the United States. Examines the four types of chromosomal patterns that can result in a Down's Syndrome infant. Describes the variety and implications of associated congenital anomalies in trisomy syndromes. One in a series titled Trisomy Syndromes.
ST/25 min./col./mag. sd.

Professional
Down's Syndrome

HUMAN GENETICS

Stenchever, M. A.

ACOG and Ed Med 1977

ACOG

Presents an introductory course in human genetics with applications to medicine. Recessive, dominant, and X-linked modes of inheritance and diseases which fit these patterns are described. Karyotype analysis and syndromes resulting from chromosome abnormalities are shown. Lists basic principles of genetic counseling, who should have chromosome analysis, and the pitfalls of prenatal diagnosis. Update in Obstetrics and Gynecology Series

ST/50 min./50 fr./col./mag. sd.

Workbook

Professional

Medical Genetics; Human Genetics

PREPARATION OF THE NORMAL KARYOTYPE

Kaplan, B.

ASCP 1979

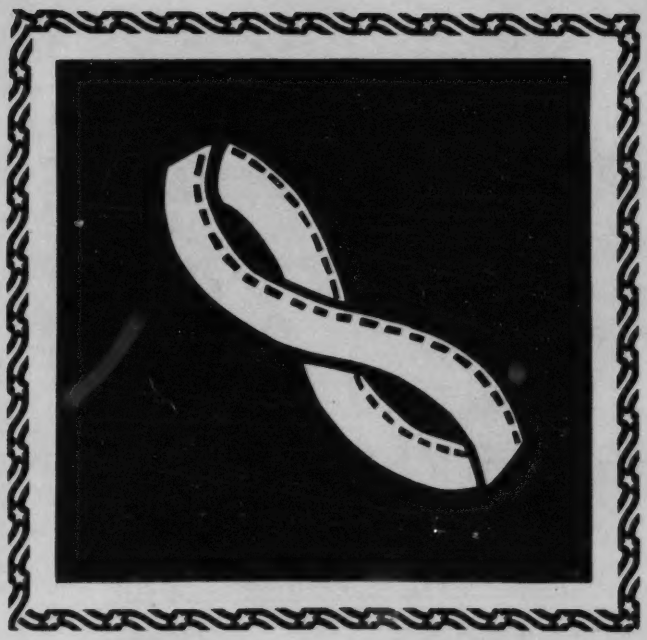
Presents the essentials of chromosome morphology and human karyotype preparation. Designed for training laboratory cytogeneticists.

ST/55 fr./col./mag. sd.

Workbook, script, practice board

Professional

Cytogenetics



SUPER 8mm FILM LOOPS

ALLELISM VERSUS NON-ALLELISM (REV.)

NFMD

NFMD 1972

MIFE

Describes how non-allelism can be shown by linkage studies and by pedigree analysis. Obtainable only as part of the Population Genetics Series.

S8 film loop/2 min./col./silent

Workbook

College; Professional

Human Genetics; Population Genetics

ALLELISM VS NON-ALLELISM

NFMD

NFMD 1970

MIFE

Distinguishes between allelic genes, non-allelic, and linked genes. Meiotic behavior of these genes is explained. Obtainable only as part of the Population Genetics Series.

S8 film loop/2 min./col./silent

Workbook

College; Professional

Human Genetics; Population Genetics

AUTOSOMAL INHERITANCE

NFMD

NFMD 1970

MIFE

Distinguishes between autosomal dominant and autosomal recessive modes of inheritance. Variable expressivity of a dominant trait is discussed. Obtainable only as part of the Population Genetics Series.

S8 film loop/4 min./col./silent

Workbook

College; Professional

Human Genetics; Population Genetics

THE BARR BODY AND THE LYON HYPOTHESIS

NFMD

NFMD 1970

MIFE

Using animation and photomicrographs shows Barr body formation in human cells. Describes preparation of buccal smears and shows a patient with an X-linked enzyme deficiency disease. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics

BIOCHEMICAL GENETICS SERIES

See individual title:

The DNA Molecule

DNA Replication and Repair

Evidence for DNA as Genetic Material

The Hemoglobin Molecule

Inborn Errors of Metabolism

Proteins

Sickle Cell Hemoglobin

CHARACTERISTICS OF CHROMOSOMES

NFMD

NFMD 1970

MIFE

Defines regions of human chromosomes; introduces terminology for describing the morphology of the chromosomes. Presents methods of identification by size and by satellites. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosomes; Cytogenetics

CHROMOSOME BANDING TECHNIQUES I

NFMD

NFMD 1977

MIFE

Describes the laboratory techniques involved in Q-banding and points out the advantages and disadvantages of using this technique. Available only as part of the Cytogenetic Techniques Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosomes; Cytogenetics

CHROMOSOME BANDING TECHNIQUES II

NFMD

NFMD 1970

MIFE

Compares and contrasts the C,R,G, and T banding methods. Available only as part of the Cytogenetic Techniques Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosomes; Cytogenetics

CHROMOSOME BANDING TECHNIQUES III

NFMD

NFMD 1970

MIFE

Shows chromosome abnormalities identified by using various chromosome banding techniques.

Available only as part of the Cytogenetic Techniques Series.
S8 film loop/3 min./col./silent
Workbook
College; Professional
Chromosomes; Cytogenetics

CYTOGENETIC SERIES

See individual title:
The Barr Body and the Lyon Hypothesis
Characteristics of Chromosomes
Deletions
The Effects of Translocations
Inversions
Karotype Preparation, Nomenclature and Normal Variations
Less Common X Chromosome Abnormalities
Meiosis
Meiotic Non-Disjunction
Mitosis and Mitotic Non-Disjunction
Pedigree Patterns
Translocations
The Trisomies, Part I, Down's Syndrome
The Trisomies, Part II, Trisomy 18 and Trisomy 13
Turner's Syndrome and Klinefelter's Syndrome

CYTOGENETIC TECHNIQUES SERIES

See individual title:
Chromosome Banding Techniques I
Chromosome Banding Techniques II
Chromosome Banding Techniques III
Somatic Cell Hybridization Techniques I
Somatic Cell Hybridization Techniques II
Somatic Cell Hybridization Techniques III

DELETIONS

NFMD
NFMD 1970
MIFE
Using animation shows the pairing of chromosomes with intercalary and terminal deletions. Ring and isochromosome formations are described. Also presents clinical description of an infant with cri du chat syndrome. Obtainable only as part of the Cytogenetic Series.
S8 film loop/3 min./col./silent
Workbook
College; Professional
Chromosome Abnormalities; Cytogenetics

THE DNA MOLECULE

NFMD

NFMD 1970

MIFE

Describes the bases or building blocks of DNA and, using animation, shows the base pairing and the structural relationships of polynucleotide chains. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Genetic Code; Molecular Genetics

DNA REPLICATION AND REPAIR

NFMD

NFMD 1970

MIFE

Diagrams the processes of replication and repair and focuses on the effect of ultraviolet light on thymine. Excision and repair of thymine dimers are shown. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/4 min./col./silent

Workbook

College; Professional

Genetic Code; Molecular Genetics

THE EFFECTS OF TRANSLOCATIONS

NFMD

NFMD 1970

MIFE

Presents the clinical significance of translocations in the human. Segregation patterns for the D/G, 21/21, and 21/22 translocations are shown. Suggests possible causes of hermaphroditism. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosome Abnormalities; Cytogenetics

ERYTHROBLASTOSIS FETALIS I

NFMD

NFMD 1977

MIFE

Describes factors which affect the risk of occurrence of Rh disease and shows the methods developed to prevent Rh disease of the newborn. Obtainable only as part of the Immunogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Immunogenetics; Rh-factor; Erythroblastosis, Fetal

ERYTHROBLASTOSIS FETALIS II

NFMD

NFMD 1977

MIFE

Discusses how ABO incompatibility may protect against Rh disease. Available only as part of the Immunogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Immunogenetics; Rh-factor; Erythroblastosis, Fetal

EVIDENCE FOR DNA AS GENETIC MATERIAL

NFMD

NFMD 1972

MIFE

Using animation, highlights Griffith's 1928 experiment and the 1952 experiment of Hershey and Chase. These experiments demonstrated that the genetic material of cells is DNA. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Genetic Code; Molecular Genetics

THE HARDY-WEINBERG LAW AND FACTORS WHICH DISTURB THE EQUILIBRIUM

NFMD

NFMD 1970

MIFE

Presents the basic principles of the Castle-Hardy-Weinberg Law. Shows the calculation of gene frequencies, defines genetic drift and briefly discusses the selection of haploid gametes. Obtainable only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Population Genetics

THE HEMOGLOBIN MOLECULE

NFMD

NFMD 1970

MIFE

Describes the structure and physical properties of the hemoglobin molecule and shows the differences in the electrophoretic mobilities of various hemoglobins. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/2 min./col./silent

Workbook

College; Professional

Molecular Genetics; Hemoglobins

IMMUNOGENETICS SERIES

See individual titles:

Erythroblastosis Fetalis I

Erythroblastosis Fetalis II

The Rh Blood Group System

Rh Incompatibility

Transplantation Antigens: The ABO System

INBORN ERRORS OF METABOLISM

NFMD

NFMD 1970

MIFE

Develops the concept that a mutant gene can lead to altered enzyme production and subsequently to defects in metabolism. Uses PKU as an example. A method for detecting carriers of the PKU gene is described. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Metabolism, Inborn Errors; Molecular Genetics

INBREEDING I

NFMD

NFMD 1970

MIFE

Presents the effects of inbreeding in corn and humans (first cousins). Available only as part of the Population Genetics Series.

S8 film loop/4 min./col./silent

Workbook

College; Professional

Human Genetics; Population Genetics

INBREEDING II

NFMD

NFMD 1970

MIFE

Describes two methods for calculating the inbreeding coefficient and a method for calculating the inbreeding coefficient with respect to X-linked traits. Available only as part of the Population Genetics Series.

S8 film loop/4 min./col./silent

Workbook

College; Professional

Human Genetics; Population Genetics

INVERSIONS

NFMD

NFMD 1970

MIFE

Defines pericentric and paracentric inversions and shows, using animation, the meiotic pairing of these altered chromosomes. Also shows the resultant gametes. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosomes; Cytogenetics

KARYOTYPE PREPARATION, NOMENCLATURE AND NORMAL VARIATIONS

NFMD

NFMD 1970

MIFE

Shows karyotype preparation using Denver Classification. Illustrates normal variation in the human karyotype with pedigrees of enlarged satellites and with large Y chromosomes. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics

LESS COMMON X CHROMOSOME ABNORMALITIES

NFMD

NFMD 1970

MIFE

Describes the karyotypes and includes a brief clinical description of the following sex-chromosome numerical abnormalities: XYY, XXX, XXXY, XXXXY, XXYY. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics; Sex Chromosome Abnormalities

LINKAGE I

NFMD

NFMD 1970

MIFE

Describes linkage in terms of Mendel's Law of Independent Assortment. Available only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Population Genetics

LINKAGE II

NFMD

NFMD 1970

MIFE

Presents cytological evidence for crossing over and describes the relationship between the frequency of crossing over and the map distance between two loci. Available only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Population Genetics

LINKAGE III

NFMD

NFMD 1970

MIFE

Shows how map distance data in humans is generated. Available only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Population Genetics

MEIOSIS

NFMD

NFMD 1970

MIFE

Outlines the process of meiosis in males and females. Describes prophase I in detail and introduces the concepts of haploidy and diploidy. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics; Meiosis

MEIOTIC NON-DISJUNCTION

NFMD

NFMD 1970

MIFE

Using animation, describes non-disjunction in the first and second meiotic divisions. Includes the classes of zygotes formed in each case. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics; Meiosis

MITOSIS & MITOTIC NON-DISJUNCTION

NFMD

NFMD 1970

MIFE

Pictures the stages of mitosis. Focuses on non-disjunction in the first and second mitotic divisions of the zygote. Also shows anaphase lag. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics; Mitosis

MUTATIONS

NFMD

NFMD 1970

MIFE

Describes and defines insertions, deletions, substitutions and unequal crossovers of the chromosomes. Obtainable only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Population Genetics

PEDIGREE PATTERNS

NFMD

NFMD 1970

MIFE

Defines nomenclature used in pedigree analysis and construction, such as proband, symbols for consanguineous marriages and multiple traits. Obtainable only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Pedigree

POPULATION GENETICS SERIES

See individual title:

Allelism Versus Non-Allelism (rev.)

Allelism Vs. Non-Allelism

Autosomal Inheritance

The Hardy-Weinberg Law and Factors Which Disturb the Equilibrium

Inbreeding I

Inbreeding II

Linkage I

Linkage II

Linkage III

X-Linked Inheritance

PROTEINS

NFMD

NFMD 1970

MIFE

Defines and describes by use of diagrams the primary, secondary, tertiary, and quaternary structures of proteins. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Molecular Genetics

THE RH BLOOD GROUP SYSTEM

NFMD

NFMD 1977

MIFE

Presents the Fisher-Race theory that the Rh antigens are three closely linked loci. Includes a chart of the reactions of cells with antisera from the Rh system. Obtainable only as part of the Immunogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Immunogenetics; Rh-factor

RH INCOMPATIBILITY

NFMD

NFMD 1977

MIFE

Describes matings that are at risk of having children with Rh disease. Using animation shows how fetal red blood cells can cross the placenta to stimulate maternal antibody production. Obtainable only as part of the Immunogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Immunogenetics; Rh-factor

SICKLE CELL HEMOGLOBIN

NFMD

NFMD 1970

MIFE

Shows the sickling of red blood cells under conditions of low oxygen tension. The electrophoretic mobilities and fingerprints of normal and sickle cell hemoglobins are compared. Obtainable only as part of the Biochemical Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Molecular Genetics; Sickle Cell Anemia

SOMATIC CELL HYBRIDIZATION TECHNIQUES I

NFMD

NFMD 1977

MIFE

Lists the steps in preparing cells for hybridization experiments and describes the procedure used to isolate hybrid cell lines for study. Obtainable only as part of the Cytogenetic Techniques Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics

SOMATIC CELL HYBRIDIZATION TECHNIQUES II

NFMD

NFMD 1977

MIFE

Shows the procedure used to identify and characterize enzymes in mouse/human hybrid cells. Obtainable only as part of the Cytogenetic Techniques Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics

SOMATIC CELL HYBRIDIZATION TECHNIQUES III

NFMD

NFMD 1977

MIFE

Presents methods for mapping loci on human chromosomes using somatic cell hybridization. Obtainable only as part of the Cytogenetic Techniques Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics

TRANSLOCATIONS

NFMD

NFMD 1970

MIFE

Diagrams the formation of a balanced reciprocal translocation and that of a Robertsonian translocation. Also shows pairing of these chromosomes at the pachytene stage of meiosis I. Obtainable only as part of the Cytogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosomes; Cytogenetics

TRANSPLANTATION ANTIGENS: THE ABO SYSTEM

NFMD

NFMD 1977

MIFE

Presents the serologic properties and describes the genetic basis of the ABO system. Avaliable only as part of the Immunogenetic Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Blood Group Genetics; Immunogenetics

THE TRISOMIES, PART I: DOWN'S SYNDROME

NFMD

NFMD 1970

MIFE

Describes the karyotype and the clinical descriptions of a patient with trisomy 21. Presents outdated incidence data. Obtainable only as part of the Cytogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics; Down's Syndrome

THE TRISOMIES, PART II: TRISOMY 18 AND TRISOMY 13

NFMD

NFMD 1970

MIFE

Presents karyotypes and clinical descriptions of infants with trisomy 18 and trisomy 13. Obtainable only as part of the Cytogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Chromosome Abnormalities; Cytogenetics

TURNER'S SYNDROME AND KLINEFELTER'S SYNDROME

NFMD

NFMD 1970

MIFE

Presents the karyotypes and clinical descriptions of Turner's and Klinefelter's syndromes. Includes photomicrographs of hyalinization of the seminiferous tubules and hyperplasia of interstitial cells. Obtainable only as part of the Cytogenetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Cytogenetics; Klinefelter's Syndrome; Sex Chromosome Abnormalities; Turner's Syndrome

X-LINKED INHERITANCE

NFMD

NFMD 1970

MIFE

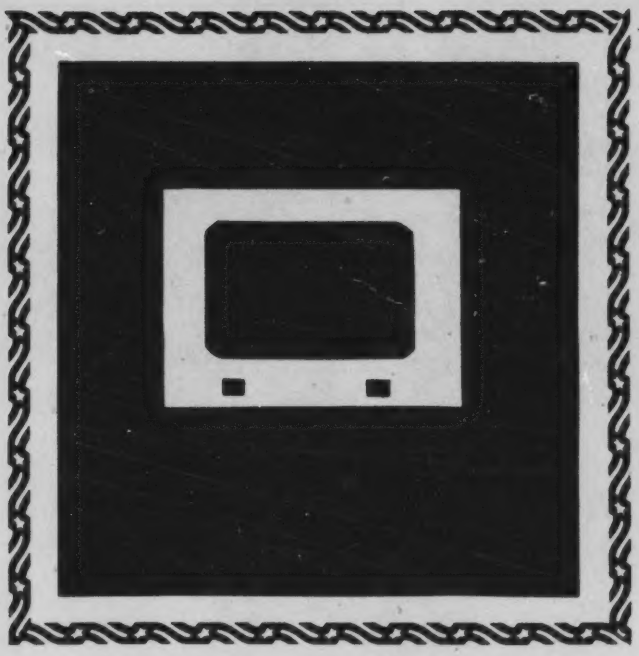
Distinguishes between X-linked, dominant and recessive modes of inheritance. Briefly describes clinically several diseases transmitted in an X-linked manner. Obtainable only as part of the Population Genetics Series.

S8 film loop/3 min./col./silent

Workbook

College; Professional

Human Genetics; Population Genetics; X-linked Diseases



VIDEOCASSETTES

CARE OF THE PEDIATRIC PATIENT UNUSUAL CHILD: CLEFT LIP/PALATE

WSU 1974

Comprehensive review of the anatomical and physiological problems of the infant with cleft lip and palate. Points out the need for nurses to be aware that parents of newborns with the problem need emotional support and guidance. Nursing responsibilities related to the feeding and post operative care of these infants are examined.
3/4" VC/22 min./B&W/mag. sd.

Professional
Cleft Lip; Cleft Palate

CLINICAL PROBLEMS DURING PREGNANCY; GENETIC FACTORS

Chase, R.
Aldine (nd)
Presents genetic principles basic to an understanding of genetic abnormalities. Describes the errors in meiosis and mitosis leading to chromosome abnormalities and presents clinical descriptions of Patau's, Edward's, Down's, and cri du chat syndromes as well as the various sex chromosome abnormalities. Discusses the genetic disorders resulting from single gene defects. A self-test is included after each section.
3/4" VC/30 min./col./mag. sd.
Teacher's guide
Professional
Medical Genetics; Prenatal Diagnosis; Chromosome Abnormalities

DRUG THERAPY IN SICKLE CELL DISEASE

Grush, O. C.
GaRMTN (nd)
EMORYU
Presents a lecture on the approaches to therapy for sickle cell anemia; includes a review of the pathophysiology of the disease. Points out that no cure has been found for sickle cell crisis. Focuses on the therapeutic and prophylactic use of urea, carbamyl phosphate, cyanate, sodium citrate, and nitrogen mustard in controlling sickle cell crises. Stresses the need for controlled clinical trials using the above drugs as therapeutic agents.
3/4" VC/22 min./B&W/mag. sd.

Professional
Sickle Cell Anemia

GENETIC COUNSELING

Elsas, L. J.

GaRMTN 1972

EMORYU

Presents a lecture on the objectives of genetic counseling. Concepts presented include determination of recurrence risks, facilitating early treatment, and prevention using prenatal diagnosis. Discusses the prediction that genetic counseling can reduce the proportion of mental and physical disabilities in society. Describes the three types of genetically transmitted diseases and presents examples in each category. Incidence and recurrence risks for selected genetic diseases are listed.

3/4" VC/32 min./B&W/mag. sd.

Professional

Genetic Counseling

GENETIC COUNSELING

NINCDS (nd)

NMAC

Presents a lecture by Hans Zellweger on genetic counseling and the muscular dystrophies. Four aspects of genetic counseling are delineated: correct diagnosis, informative counseling, supportive counseling, and follow-up counseling. Discusses laboratory methods for the detection of Duchenne muscular dystrophy carriers. Classifies by mode of inheritance the muscular dystrophies that have been identified.

3/4" VC/45 min./col./mag. sd.

Professional

Genetic Counseling; Muscular Dystrophy

GENETIC COUNSELING ON THE HEREDITARY NEUROMUSCULAR DISEASES

Rowley, P.

NINCDS (nd)

NMAC

A lecture presentation on genetic considerations in neuromuscular disorders. Presents a classification of neuromuscular diseases by their inheritance pattern and discusses problems in the determination of genotypes. The value of prenatal diagnosis and the impact of genetic counseling is explored.

3/4" VC/45 min./col./mag. sd.

Professional

Genetic Counseling; Muscular Dystrophy; Neuromuscular Diseases

GENETIC DISORDERS AMONG JEWS

Goodman, R. M.

GaRMTN 1974

EMORYU

Presents a lecture on the genetic diseases which predominantly affect the Jews. Includes a short history of the Jewish peoples and describes their various ethnic groups. Summarizes the geographic distribution of the Jewish diseases including Tay-Sachs and Dubin Johnson Syndrome. Focuses on the four factors that influence genetic diseases among Jews: isolation, consanguinity, genetic drift and selective advantage of the heterozygote.

3/4" VC/58 min./B&W/mag. sd.

Professional; Adult

Genetic Diseases; Jewish Genetic Diseases

GENETICS: MEDICAL TERMINOLOGY

Strong, L.

UTexSCC 1975

Presents a lecture on basic human genetics for the health professional. Using diagrams defines terms such as heterozygote, homozygote, cell division, replication, recombination, and prenatal diagnosis. Explores the process of karyotyping and stresses the clinical significance of the abnormal karyotype. Reviews Mendel's laws of segregation and independent assortment. Examines common single gene and chromosomal disorders and mentions the usefulness of twins in genetic research. Part of a series titled, A Course in Medical Terminology.

3/4" VC/56 min./col./mag. sd.

Professional

Human Genetics

GENETICS, SOCIETY, AND MEDICINE

Rosenberg, L.

GaRMTN 1978

EMORYU

Lecture presentation documenting the impact and problems of genetics as this field relates to medicine and society. Explores the social implications of mass screening, reasons why physicians do not refer patients for genetic counseling, and the current controversy surrounding recombinant DNA research. Highlights the four

levels of genetic disease prevention and explores the concept that the individual's potential can be best achieved by recognizing the genetic differences and modifying the environment appropriately.
3/4" VC/45 min./col./mag. sd.

Professional; Adult
Social Aspects; Human Genetics

HEMOPHILIA

Rush, O. C.
GaRMTN 1973
EMORYU

Lecture presentation that describes the genetics, management, and prognosis of patients with Hemophilia A and Hemophilia B. Focuses on the commercial products that are available for the treatment of the disease. Suggests the use of blood banks for obtaining fresh frozen plasma or commercial concentrates. Discusses at length dosages commonly used and methods for calculating these. Also covers the treatment of oral hemorrhage, and the various side effects of the commercial preparations.
3/4" VC/21 min./col./mag. sd.

Professional
Hemophilia

HEMOPHILIA AND X-RAY FINDINGS RELATED TO HEMOPHILIA

OHIOSU (nd)

Records a conversation between a young boy with hemophilia and his physician and also presents radiologic findings found in hemophiliacs. Discusses the difficulties faced by one patient and describes the problems with joints, glands, and tooth extractions, focusing on the residual pathology of the joints. Describes the use of x-rays to identify degenerative changes in bone due to hemophilia. Does not discuss radiologic findings due to massive infiltration of soft tissue.
3/4" VC/15 min./col./mag. sd.

Professionals
Hemophilia

MARFAN'S SYNDROME

Hart, N.

GaRMTN 1972

EMORYU

Presents a lecture on the clinical manifestations of Marfan's Syndrome. Describes connective tissue abnormalities and the clinical findings of the hand, foot, and eye. Also focuses on abnormalities found in the heart. Delineates a case study of a patient with Marfan's Syndrome. Taped lecture given during one of Emory University's pediatric grand rounds.

3/4" VC/25 min./B&W/mag. sd.

Professional

Marfan's Syndrome

THE PATHOPHYSIOLOGY OF THALASSEMIA

Nathan, D. G.

GaRMTN 1977

EMORYU

Lecture presentation of the pathophysiology of alpha and beta thalassemia and how it affects the red blood cell and the patient's body. Discusses the problem of iron overload along with management of the patient. Describes in detail the biochemistry of the molecular defect. Develops current concepts in theory for the disease and its variants. Methods for prevention are outlined.

3/4" VC/50 min./col./mag. sd.

Professional

Cooley's Anemia; Thalassemia

THE TRISOMIES: OLD AND NEW

Blackston, R. B.

GaRMTN 1976

EMORYU

Presents a thorough review of the known trisomies in man. Using still photographs it focuses on the gross abnormalities and the diagnostic signs for each of the described chromosomal defects. The prognosis and management of each of these trisomies are also described. Taped lecture given during one of Emory University's pediatric grand rounds.

3/4" VC/56 min./col./mag. sd.

Professional

Chromosome Abnormalities

APPENDICES

SUBJECT HEADING INDEX

Alpha fetoproteins	see also Prenatal diagnosis
Amniocentesis	see also Prenatal diagnosis
Amyotonia congenita	
Aran-Duchenne disease	
Autonomic dysfunction	see Dysautonomia
Autosomal syndromes	see also specific genetic diseases; Chromosome abnormalities
Behavior genetics	
Benign congenital hypotonia	
Bibliographies	
Biochemical genetics	
Bioethics	
Birth defects	see also specific genetic diseases; Genetic diseases
Blood group genetics	see also Immunogenetics; Rh-factor
California	
Canada	
Cancer genetics	
Cardiovascular diseases	
Charcot-Marie-Tooth disease	
Chromosome abnormalities	
Chromosomes	
Cleft lip	
Cleft palate	
Clinical genetics	see Medical genetics
Clinical service programs	
Clubfoot	
Colorado	
Community genetic screening	
Conferences	
Connective tissue	
Cooley's anemia	see also Thalassemia
Cri du chat syndrome	
Cystic fibrosis	
Cytogenetics	
Dental genetics	
Dental health	
Dermatoglyphics	
Developmental biology	
Diabetes mellitus	
Diet therapy	
Digestive system diseases	
Directories	
DNA	see Genetic code
Dominant diseases	see also specific genetic diseases
Down's syndrome	
Dysautonomia	
Education	see also Genetic education

Environment	
Erythroblastosis, fetal	see also Rh-factor
Evolution	
Eye diseases, genetic	
Family planning	see also Genetic counseling
Fetal diseases	see also specific genetic diseases
Friedreich's ataxia	
Galactosemia	
Gene mapping	
Genetic code	
Genetic counseling	
Genetic diseases	see also Chromosome abnormalities; Dominant diseases; Multifactorial diseases; Nervous system diseases; Recessive diseases; Sex chromosome abnormalities; specific genetic diseases
Genetic education	
Genetic engineering	
Genetic services	
Genetics	
Georgia	
Gout	
Gyrate atrophy	
Handicapped	
Health education	
Health planning	
Health services	
Heart diseases	
Hemochromatosis	
Hemoglobinopathies	
Hemoglobins	
Hemophilia	
Heredity	
Hip dislocation, congenital	
HLA antigens	
Human development	
Human genetics	
Huntington's disease	
Hydrocephalus	
Hypertension	see Cardiovascular diseases
Hypercholesterolemia	
Hypothyroidism	
Idaho	
Immunogenetics	see also Blood group genetics
Inborn errors of metabolism	see Metabolism, inborn errors
Incidence	
Jewish genetic diseases	see also specific genetic diseases
Joseph's disease	
Kartagener's syndrome	

Klinefelter's syndrome	
Kugelberg-Welander disease	
Legal medicine	
Legislation	
Maple syrup urine disease	
Marfan's syndrome	
Mass screening	see Community genetic screening; Newborn screening
Maternal and child health	
Medical genetics	
Meiosis	
Mendel, Gregor	
Mental retardation	see also specific genetic diseases
Mentally retarded citizens services	
Metabolism, inborn errors	see also Genetic diseases; Chromosome abnormalities; Dominant diseases; Multifactorial diseases; Recessive diseases; specific genetic diseases
Michigan	
Minimal brain dysfunction	
Mitosis	
Molecular genetics	
Mongolism	see Down's syndrome
Mosaicism	see Chromosome abnormalities
Multifactorial diseases	
Muscular diseases	see also specific genetic diseases
Muscular dystrophy	
Myotonia atrophica	
Myotonia congenita	
Myotonic dystrophy	see Myotonia atrophica
Nervous system	
Nervous system diseases	see also specific genetic diseases
Neural tube defects	
Neurological diseases	see Nervous system diseases
Neuromuscular diseases	
Newborn screening	
Normal values	
North Carolina	
Nutrition	
Orthopedics	
Osteogenesis imperfecta	
Paramyotonia congenita	
Pedigree	see also Genetic counseling
Periodic paralysis	
Personal narratives	
Pharmacogenetics	
Phenylketonuria	
Physically handicapped	see Handicapped
PKU	see Phenylketonuria
Polygenic diseases	see Multifactorial diseases

Population genetics	
Pregnancy complications	
Prenatal diagnosis	see also Amniocentesis
Psychological aspects	
Public health	
Recessive diseases	see also specific genetic diseases
Registries	
Reproduction	
Retinitis pigmentosa	
Review	
Rh-factor	see also Immunogenetics; Erythroblastosis, Fetal
Riley-Day syndrome	see Dysautonomia
RNA	see Genetic code
Screening	see Community genetic screening; Newborn screening; Genetic counseling
Sex chromosome abnormalities	
Sickle cell anemia	
Sickle cell trait	see also Sickle cell anemia
Skin diseases, genetic	
Social aspects	
Societies, medical	
Spina bifida	see also Neural tube defects
Sturge-Weber syndrome	
Sturtevant, Alfred Henry	
Systemic lupus erythematosus	
Tay-Sachs disease	
Teratogens	
Thalassemia	see also Cooley's anemia
Thomsen's disease	see Myotonia congenita
Thyroid diseases	
Tooth diseases	
Tourette syndrome	
Tuberous sclerosis	
Turner's syndrome	
Utah	
Virginia	
von Willebrand's disease	
Werdnig-Hoffman disease	
Wilson's disease	
Wisconsin	
Wyoming	
X-linked diseases	see also specific genetic diseases
XYY karotype	see Sex chromosome abnormalities

ABBREVIATIONS FOR TYPES OF MEDIA

AC	Audio Cassette
BK	Book (more than 50 pp.)
BR	Brochure (11-49 pp.)
FS	Filmstrip
G	Game
none	Journal Article (spell out)
KT	Laboratory Exercise Kit or Teaching Kit
MF	Microfiche
MFL	Microfilm
MP	Motion Picture
MS	Microscope Slide
OT	Overhead Projector Transparency or Vugraph
PA	Pamphlet (0-10 pp.)
PG	Programmed Instruction
PC	Posters and Charts
R	Real Object
SS	Slide Set (35mm transparencies)
ST	Slide/Tape Lecture
S8	Super 8
VC	Video Cassette

SUBJECT INDEX TO TITLES

AMNIOCENTESIS

Amniocentesis (PA)

Amniocentesis and Fetal Genetic Diagnosis in Atlanta (PA)

Antenatal Diagnosis and Down's Syndrome (BR)

"An Assessment of the Hazards of Amniocentesis" (Journal article)

Facts About Prenatal Diagnosis (Berkeley) (PA)

Facts About Prenatal Diagnosis (San Diego R.C.) (PA)

"Natural Prevention of Genetic Defects" (Journal article)

Prenatal Diagnosis by Amniocentesis (MP)

"Prenatal Diagnosis of Genetic Diseases" (Journal article)

"Preventive Medicine for the Unborn" (Journal article)

The Safety and Accuracy of Mid-Trimester Amniocentesis (BK)

"Suspense in Pregnancy" (Journal article)

"Will Your Baby Be Normal?" (Journal article)

AMYOTONIA CONGENITA

Benign Congenital Hypotonia; fact sheet (PA)

ARAN-DUCHENNE DISEASE

Adult Progressive Spinal Muscular Atrophy or Aran-Duchenne Disease (PA)

AUTOSOMAL SYNDROMES

"Autosomal Syndromes" (Journal article)

Chromosomal Abnormalities: The Autosomes (MP)

BENIGN CONGENITAL HYPOTONIA

Benign Congenital Hypotonia; fact sheet (PA)

BIBLIOGRAPHIES

Hemophilia: a Bibliography of Mental Health and Social Service References (BR)

Teratology and Congenital Malformation (BK)

BIOCHEMICAL GENETICS

Biochemical Methods in Medical Genetics (BK)

Nutrition, Time and Motion in Metabolism and Genetics (BK)

Rise and Fall of Molecular Genetics (AC)

BIOETHICS

"Prenatal Diagnosis of Genetic Diseases" (Journal article)

BIRTH DEFECTS

Birth Defects and Fetal Development (BK)

Birth Defects and Genetic Counseling (PA)

Birth Defects and Genetic Disease Program (PA)

Birth Defects - Tragedy and Hope (BR)

Diagnosis of Hidden Congenital Anomalies (MP)

Facts About Birth Defects (BR)

Facts '78 - March of Dimes (BR)

Genetic Conditions (BK)

Genetic Counseling I: Heredity and Birth Defects (MP)

Human Heredity and Birth Defects (BK)

International Directory of Genetic Services (BK)

Is My Baby All Right? (BK)

"Medicine's Mighty Molecules" (Journal article)

Questions and Answers on Birth Defects (PA)

BLOOD GROUP GENETICS

The Genetics of the Jews (BK)

Transplantation Antigens: The ABO System (S8)

CALIFORNIA

Directory of Services in California for Genetic Disorders (BK)

Facts About Tay-Sachs Disease (PA)

PKU - A Guide to Management (BR)

CANADA

"The Education of Citizens; Human Genetics" (Journal article)

"Genetics and Medicine: An Evolving Relationship" (Journal article)

"Management of Maple Syrup Urine Disease in Canada" (Journal article)

CANCER GENETICS

Cancer Genetics (BK)

Chromosomes in Human Cancer (BK)

"Genetics and Cancer in Children" (Journal article)

"Hereditary Cancer" (Journal article)

CARDIOVASCULAR DISEASES

Genetics and Counseling in Cardiovascular Diseases (BK)

CHARCOT-MARIE-TOOTH DISEASE

Charcot-Marie-Tooth Disease of Peroneal Muscular Atrophy; fact sheet (PA)

CHROMOSOME ABNORMALITIES

Aging and Reproductive Physiology (BK)

"Autosomal Syndromes" (Journal article)

Blueprint for Life (MP)

Chromosomal Errors (MP)

Chromosome Abnormalities: The Autosomes (MP)

Chromosome Abnormalities: The Sex Chromosomes (MP)

Chromosome Simulation Bio Kit (KT)

Chromosome 21 and its Association with Down's Syndrome (PA)

Chromosomes in Human Cancer (BK)

The Chromosomes of Man (MP)

Clinical Atlas of Human Chromosomes (BK)

The Clinical Diagnosis of Trisomy 18 in the Newborn Period (ST)

Clinical Problems During Pregnancy; Genetic Factors (VC)

Deletions (S8)

Genetic Counseling I: Heredity and Birth Defects (MP)

The Genetic, Metabolic and Developmental Aspects of Mental . . . (BK)

Guide to Human Chromosome Defects (BR)
Human Chromosome Analysis Bio Kit (KT)
Human Reproductive Physiology (BK)
The Trisomies: Old and New (VC)
The Trisomies, Part II: Trisomy 18 and Trisomy 13 (S8)

CHROMOSOMES

Blueprint for Life (MP)
Characteristics of Chromosomes (S8)
Chromosome Banding Techniques (MP)
Chromosome Banding Techniques I (S8)
Chromosome Banding Techniques II (S8)
Chromosome Banding Techniques III (S8)
Chromosome Simulation Bio Kit (KT)
The Chromosomes: General Considerations (MP)
Clinical Atlas of Human Chromosomes (BK)
Genetics: Chromosomes and Genes (MP)
Genetics Concepts Bio Kit (KT)
Human Chromosome Analysis Bio Kit (KT)
Inversions (S8)
Translocations (S8)

CLEFT LIP

Care of the Pediatric Patient; Unusual Child: Cleft Lip/Palate (VC)
Cleft Lip and Cleft Palate (BR)

CLEFT PALATE

Care of the Pediatric Patient; Unusual Child: Cleft Lip/Palate (VC)
Cleft Lip and Cleft Palate (BR)

CLINICAL SERVICE PROGRAMS

Cancer Genetics (BK)

CLUBFOOT

Clubfoot and Congenital Dislocation of the Hip (BR)

COLORADO

The Genetic Approach to Human Disease (BK)

COMMUNITY GENETIC SCREENING

Early Diagnosis of Human Genetic Defects (BK)

"An Economic Evaluation of a Genetic Screening Program for . . . " (Journal article)

"Genetic Diversity in Hemoglobins" (Journal article)

Genetic Issues in Public Health and Medicine (BK)

Genetic Screening for Inborn Errors of Metabolism (BK)

"Genetic Screening: NAS Recommends Proceeding with Caution" (Journal article)

"Genetic Screening vs. Personal Freedom" (Journal article)

Heritable Disorders of Amino Acid Metabolism (BK)

Tay-Sachs Disease: Screening and Prevention (BK)

"Tay-Sachs Screening: Social and Psychological Impact" (Journal article)

"What Science Can Do About Hereditary Disease" (Journal article)

CONFERENCES

Retinitis Pigmentosa: Clinical Implications of Current Research (BK)

CONNECTIVE TISSUE

Heritable Disorders of Connective Tissue (BK)

COOLEY'S ANEMIA

"Antenatal Diagnosis of Thalassaemia Major" (Journal article)

"Laboratory Detection of Thalassemia" (Journal article)

The Pathophysiology of Thalassemia (VC)

"Prenatal Diagnosis of Hemoglobin Disorders" (Journal article)

Thalassemia - A Birth Defect (PA)

CYSTIC FIBROSIS

Cystic Fibrosis (PA)

Cystic Fibrosis (MP)

Cystic Fibrosis: Projections Into the Future (BK)

"Cystic Fibrosis Screening by Sweat Analysis: A Critical . . . " (Journal article)

"Cystic Fibrosis Screening in the Newborn" (Journal article)

"Cystic Fibrosis: the Prognosis for Five-Year Survival" (Journal article)

"Dental Aspects of Patients with Cystic Fibrosis: A . . . " (Journal article)

"Emotional Adjustment of Adolescents and Young Adults with Cystic . . . " (Journal article)

Questions and Facts about Cystic Fibrosis (PA)

CYTOGENETICS

The Barr Body and the Lyon Hypothesis (S8)

Characteristics of Chromosomes (S8)

Chromosome Banding Techniques (MP)

Chromosome Banding Techniques I (S8)

Chromosome Banding Techniques II (S8)

Chromosome Banding Techniques III (S8)

Cytoplasmic Inheritance (BR)

Deletions (S8)

The Effects of Translocation (S8)

The Experimental Geneticist; an Introductory Laboratory Manual (BK)

Guide to Human Chromosome Defects (BR)

Human Chromosome Analysis Bio Kit (KT)

Human Gene Mapping by Somatic Cell Hybridization Techniques (MP)

Inversions (S8)

Karyotype Preparation, Nomenclature and Normal Variations (S8)

Less Common X Chromosome Abnormalities (S8)

Meiosis (S8)

Meiotic Non-Disjunction (S8)

Mitosis and Mitotic Non-Disjunction (S8)
Modern Trends in Human Genetics (BK)
The New Human Genetics (BR)
Preparation of the Normal Karyotype (ST)
Somatic Cell Hybridization Techniques I (S8)
Somatic Cell Hybridization Techniques II (S8)
Somatic Cell Hybridization Techniques III (S8)
Translocations (S8)
The Trisomies, Part I: Down's Syndrome (S8)
The Trisomies, Part II: Trisomy 18 and Trisomy 13 (S8)
Turner's Syndrome and Klinefelter's Syndrome (S8)

DENTAL GENETICS
Oral Facial Genetics (BK)
Oral Manifestations of Inherited Disorders (BK)

DENTAL HEALTH
"Dental Aspects of Patients with Cystic Fibrosis: A . . . " (Journal article)
Dental Care in Hemophilia (BR)

DERMATOGLYPHICS
Chromosome 21 and its Association with Down's Syndrome (PA)
Understanding Inherited Disorders (BK)

DEVELOPMENTAL BIOLOGY
Development and Differentiation (MP)
Heredity and Human Affairs (BK)

DIABETES MELLITUS
Diabetes Mellitus (BK)

DIET THERAPY
"Management of Maple Syrup Urine Disease in Canada" (Journal article)

DIGESTIVE SYSTEM DISEASES

"Hemochromatosis: Diagnosis and Treatment" (Journal article)

DIRECTORIES

Clinical Programs for Mentally Retarded Children (BR)

Directory of National Information Sources of Handicapping . . . (BK)

Directory of Organizations and Genetic Contacts (BR)

Directory of Services in California for Genetic Disorders (BK)

Directory of Speakers on Genetic Disorders, Birth Defects . . . (PA)

International Directory of Genetic Services (BK)

MDA Services to the Patient, the Family, the Community (BR)

The Prenatal and Clinical Genetic Services Project (BR)

DOWN'S SYNDROME

Aging and Reproductive Physiology (BK)

The Child with Down's Syndrome (BK)

Chromosome 21 and its Association with Down's Syndrome (PA)

Color Her Sunshine (MP)

David (BK)

Down's Syndrome in the Newborn (ST)

Eddie (MP)

Facts About Down's Syndrome (PA)

Facts About Mongolism for Women Over 35 (BR)

The Genetic, Metabolic and Developmental Aspects of Mental . . . (BK)

Human Chromosome Analysis Bio Kit (KT)

James and John (MP)

The Kennedy Family of Albuquerque (MP)

The Mongoloid Child: Recognition and Care (BK)

My Child Has Down's Syndrome (BR)

"Natural Prevention of Genetic Defects" (Journal article)

"Progress in Down's Syndrome" (Journal article)

Questions and Answers about Down's Syndrome (PA)

The Trisomies, Part I: Down's Syndrome (S8)

Young Children with Down's Syndrome (BK)

DYSAUTONOMIA

Caring for the Child with Familial Dysautonomia (BR)

Dysautonomia (BR)

Familial Dysautonomia (PA)

Familial Dysautonomia (PA)

Familial Dysautonomia (BR)

"Familial Dysautonomia: Diagnosis, Pathogenesis, and Management" (Journal article)

"Molecular Medicine" (Journal article)

EDUCATION

Approaches to Teaching in the Health Sciences (BK)

ENVIRONMENT

Heredity and Environment (MP)

Your Heredity and Environment (BK)

ERYTHROBLASTOSIS, FETAL

Erythroblastosis Fetalis I (S8)

Erythroblastosis Fetalis II (S8)

Prevention of Hemolytic Disease of the Fetus and Newborn . . . (BR)

EVOLUTION

Evolution (FS)

Genetic Polymorphisms and Evolution (MP)

Genetics and Evolution: Selected Papers of A. H. Sturtevant (BK)

Genetics, Evolution, and Man (BK)

Heredity and Human Affairs (BK)

Heredity, Evolution and Society (BK)

Some General Biological Principles Illustrated by the Evolution of Man (BR)

What Color Are You? (MP)

EYE DISEASES, GENETIC

"Rare Disease Studied at Johns Hopkins: Gyrate Atrophy" (Journal article)

FAMILY PLANNING

Protecting Your Family's Health (PA)

FETAL DISEASES

Prevention of Embryonic, Fetal, and Perinatal Disease (BK)

FRIEDREICH'S ATAXIA

Friedreich's Ataxia; fact sheet (PA)

Pathology of Lesions of the Central Nervous System (SS)

GALACTOSEMIA

Enzyme Defects and DNA (MP)

Parent's Guide to the Galactose Restricted Diet (BR)

GENE MAPPING

Human Gene Mapping by Somatic Cell Hybridization Techniques (MP)

GENETIC CODE

The Cell: A Functioning Structure, Part II (MP)

DNA: Blueprint of Life (MP)

DNA (Deoxyribonucleic acid): Turtox Biochrome Chart (PC)

The DNA Molecule (S8)

DNA Replication and Repair (S8)

D.N.A. Story (MP)

Evidence for DNA as Genetic Material (S8)

Gene Action (MP)

The Genetic Coder (R)

Genetics: Functions of DNA and RNA (MP)

The Living Cell: DNA (MP)

RNA (Ribonucleic Acid): Turtox Biochrome Chart (PC)

Transcription of DNA (BR)

GENETIC COUNSELING

Antenatal Diagnosis of Genetic Disorders (AC)

Birth Defects and Fetal Development (BK)

Birth Defects and Genetic Counseling (PA)

Can Genetic Counseling Help You? (PA)

Cancer Genetics (BK)

The Child with Down's Syndrome (BK)

Chromosomal Errors (MP)

Contemporary Genetic Counseling (BR)

Early Diagnosis of Human Genetic Defects (BK)

Ethical Issues Arising in the Genetic Counseling Relationship (BR)

Experiences of a Huntington's Disease Patient (BR)

The Genetic Approach to Human Disease (BK)

The Genetic Connection (BK)

Genetic Counseling (BK)

Genetic Counseling (BR)

Genetic Counseling (BR)

Genetic Counseling (Journal article)

Genetic Counseling (VC)

Genetic Counseling (VC)

Genetic Counseling on the Hereditary Neuromuscular Diseases (VC)

Genetic Counseling Services in Idaho (PA)

Genetic Counseling III: The Rh Negative Mother (MP)

Genetic Issues in Public Health and Medicine (BK)

Genetics and Counseling in Cardiovascular Diseases (BK)

Genetics - Genetic Counseling (PA)

The Genetics of Duchenne's Muscular Dystrophy (BR)

Heredity and You - How You Can Protect Your Family's Future (BK)

Know Your Genes (BK)

Modern Trends in Human Genetics (BK)

Oral Manifestations of Inherited Disorders (BK)

The Other Side of the Coin (PA)

Pedigree Patterns (MP)

A Positive Approach to Controlling O.I. (PA)

The Prenatal and Clinical Genetic Services Project (BR)

Prenatal Diagnosis by Amniocentesis (MP)

"Preventive Medicine for the Unborn" (Journal article)

Protecting Your Family's Health (PA)

The Sickle Cell Story (MP)

"Single-Gene Disorders" (Journal article)

"Six Generations of One Family - Linked Together by a Deadly Gene" (Journal article)

Tay-Sachs Disease: Screening and Prevention (BK)

"The Virginia Sickle Cell Anemia Awareness Program (Va SCAP) . . . " (Journal article)

"Will Our Baby Be 'Normal'?" (Journal article)

GENETIC DISEASES

Biochemical Methods in Medical Genetics (BK)

Birth Defects - Tragedy and Hope (BR)

California Laws Relating to Genetic Disorders (BR)

Clinical Atlas of Human Chromosomes (BK)

Clinical Genetics (BK)

Directory of Speakers on Genetic Disorders, Birth Defects . . . (PA)

Genetic Conditions (BK)

Genetic Defects: The Broken Code (MP)

Genetic Disorders Among Jews (VC)

Genetic Disorders: Prevention, Treatment and Rehabilitation (BR)

The Genetics of the Jews (BK)

Heredity and You - How You Can Protect Your Family's Future (BK)

The Heredity Factor, Genes, Chromosomes, and You (BK)

Heredity in Humans (BK)

Heritable Disorders of Connective Tissue (BK)

How Genetic Disease Can Affect You and Your Family (PA)

The Invisible Chain (BK)

Mendelian Inheritance in Man (BK)

Newborn Screening for Genetic-Metabolic Diseases (BR)

Oral Manifestations of Inherited Disorders (BK)

Prevention of Embryonic, Fetal, and Perinatal Disease (BK)

The Safety and Accuracy of Mid-Trimester Amniocentesis (BK)

"Single-Gene Disorders" (Journal article)

Understanding Inherited Disorders (BK)

"Will Your Baby Be Normal?" (Journal article)

X-Linked Inheritance (MP)

GENETIC EDUCATION

"The Education of Citizens; Human Genetics" (Journal article)

Genetic Conditions (BK)

"Genetics and Medicine: An Evolving Relationship" (Journal article)

Guidelines for Educational Priorities and Curricular Innovations . . . (PA)

"The Historical/Philosophical Background of Education in Human . . . " (Journal article)

"A New View of Health: Genetics and Environment" (Journal article)

Teaching Genetics in School and University (BK)

GENETIC ENGINEERING

Genetics and You (MP)

GENETIC SERVICES

Birth Defects and Genetic Disease Program (PA)

Birth Defects - Tragedy and Hope (BR)

Bureau of Community Health Services Programs (BR)

California Laws Relating to Genetic Disorders (BR)

"Delivering Genetic Services" (Journal article)

Directory of Organizations and Genetic Contacts (BR)

Directory of Services in California for Genetic Disorders (BK)

Genetic Counseling Services in Idaho (PA)

International Directory of Genetic Services (BK)

The Prenatal and Clinical Genetic Services Project (BR)

GENETICS

Basic Genetics for Dermatologists (ST)

D.N.A. Story (MP)

The Experimental Geneticist; an Introductory Laboratory Manual (BK)

Facets of Genetics (BK)

Genetics (BK)

Genetics and Evolution: Selected Papers of A. H. Sturtevant (BK)

Genetics Concepts Bio Kit (KT)

Heredity and Environment (MP)

Heredity and Human Affairs (BK)

The Origin of Genetics; a Mendel Source Book (BK)

GEORGIA

Amniocentesis and Fetal Genetic Diagnosis in Atlanta (PA)

GOUT

Gout (PA)

GYRATE ATROPHY

"Rare Disease Studied at Johns Hopkins: Gyrate Atrophy" (Journal article)

HANDICAPPED

Directory of National Information Sources of Handicapping . . . (BK)

HEALTH EDUCATION

Approaches to Teaching in the Health Sciences (BK)

HEALTH PLANNING

"Delivering Genetic Services" (Journal article)

"An Economic Evaluation of a Genetic Screening Program for . . . " (Journal article)

Protecting Your Family's Health (PA)

HEALTH SERVICES

Bureau of Community Health Services Programs (BR)

Directory of National Information Sources of Handicapping . . . (BK)

Improving Community Health Care Services (PA)

Research to Improve Health Services for Mothers and Children (BR)

HEMOCHROMATOSIS

"Hemochromatosis: Diagnosis and Treatment" (Journal article)

HEMOGLOBINOPATHIES

"Laboratory Detection of Thalassemia" (Journal article)

"Prenatal Diagnosis of Hemoglobin Disorders" (Journal article)

Sickle Cell Anemia - Facts You Should Know (PA)

Thalassemia - A Birth Defect (PA)

Your Employee with Sickle Cell (PA)

HEMOGLOBINS

The Hemoglobin Molecule (S8)

HEMOPHILIA

Comprehensive Care for the Person with Hemophilia (BR)

Comprehensive Management of Hemophilia (BK)

Control of Pain in Hemophilia (PA)

Current Management; a Physician's Manual (PA)

Dental Care in Hemophilia (BR)

Hemophilia (VC)

Hemophilia: a Bibliography of Mental Health and Social Service References (BR)

Hemophilia and X-ray Findings Related to Hemophilia (VC)

"Hemophilia: The Vocational Implications" (Journal article)

The Hemophiliac Child in School (BR)

Home Therapy for Hemophilia; a Physician's Manual (BR)

Journey (BK)

Living With Hemophilia (BK)

Orthopedics (BR)

Physical Therapy in Hemophilia (BR)

"The Prophylactic Approach to Hemophilia A" (Journal article)

Surgery in Hemophilia (PA)

What You Should Know About Hemophilia (PA)

Your Child and Hemophilia; a Manual for Parents (BR)

HEREDITY

Gene Action (MP)

Genetics: Mendel's Laws (MP)

Heredity and You - How You Can Protect Your Family's Future (BK)

The Heredity Factor, Genes, Chromosomes, and You (BK)

Heritable Disorders of Amino Acid Metabolism (BK)

Human Genetics (BK)

Laws of Heredity (MP)

Riddle of Heredity (MP)

What Color Are You? (MP)

HIP DISLOCATION, CONGENITAL

Clubfoot and Congenital Dislocation of the Hip (BR)

HUMAN DEVELOPMENT

Heredity and Environment (MP)

HUMAN GENETICS

Allelism Versus Non-Allelism (rev.) (S8)

Allelism Vs Non-Allelism (S8)

Autosomal Dominant Inheritance (MP)

Autosomal Inheritance (S8)

Autosomal Recessive Inheritance (MP)

"The Education of Citizens; Human Genetics" (Journal article)

Elements of Medical Genetics (BK)

Genetic Counseling (BK)

Genetic Counseling I: Heredity and Birth Defects (MP)

Genetics and You (MP)
Genetics, Evolution, and Man (BK)
Genetics: Human Heredity (MP)
Genetics in Medicine (BK)
Genetics: Medical Terminology (VC)
Genetics of Man (BK)
Genetics, Society, and Medicine (VC)
Guide to Human Chromosome Defects (BR)
Heredity, Evolution and Society (BK)
The Heredity Factor, Genes, Chromosomes, and You (BK)
Heredity in Humans (BK)
Heritable Disorlers of Amino Acid Metabolism (BK)
History of Genetics (MP)
Human Genetic Traits Kit (KT)
Human Genetics (BK)
Human Genetics (ST)
Human Genetics; An Introduction to the Principles of Heredity (BK)
Human Genetics Bio Kit (KT)
Human Genetics: Principles and Methods (BK)
Human Genetics Traits Bio Kit (KT)
Human Heredity and Birth Defects (BK)
Human Heredity - Revised (MP)
Inbreeding I (S8)
Inbreeding II (S8)
The Invisible Chain (BK)
Linkage - Population Genetics (MP)
Modern Trends in Human Genetics (BK)
The New Human Genetics (BR)
"A Pediatrician's View: A Genetics Primer" (Journal article)
Principles of Human Genetics (BK)
Teaching Genetics in School and University (BK)
Understanding Inherited Disorders (BK)
X-Linked Inheritance (S8)
Your Heredity and Environment (BK)

HUNTINGTON'S DISEASE

Clinical Care of the Patient and Family with Huntington's Disease (PA)

Commission for the Control of Huntington's Disease and . . . (BK)

"The Cruelest Killer" (Journal article)

Drugs for the Control of Choreic Movements (PA)

Experiences of a Huntington's Disease Patient (BR)

How's Your Health Quotient? Huntington's Disease (PA)

Huntington's (Chorea) Disease - Handbook for Health Professionals (BR)

Huntington's Disease (BR)

Huntington's Disease (PA)

"Little Known Diseases" (Journal article)

Neurobiology and Pharmacology of Huntington's Disease (BR)

A Neurologist Speaks with Huntington's Disease Families (PA)

The Other Side of the Coin (PA)

Pathology of Lesions of the Central Nervous System (SS)

Walk a Dark Vale - Huntington's Chorea (PA)

What is Huntington's (Chorea) Disease? (PA)

HYDROCEPHALUS

Spina Bifida and Hydrocephalus (BR)

HYPERCHOLESTEROLEMIA

"Inheritance and High Cholesterol" (Journal article)

HYPOTHYROIDISM

Hypothyroidism (PA)

"Inherited Hypothyroidism" (Journal article)

"Modification of A Screening Program for Neonatal Hypothyroidism" (Journal article)

"Recommendations for Screening Programs for Congenital Hypothyroidism" (Journal article)

Screening for Congenital Metabolic Disorders in the Newborn . . . " (Journal article)

"Thyroid Disorders" (Journal article)

IDAHO

Genetic Counseling Services in Idaho (PA)

IMMUNOGENETICS

Erythroblastosis Fetalis I (S8)

Erythroblastosis Fetalis II (S8)

The Genetics of Transplantation (MP)

Prevention of Hemolytic Disease of the Fetus and Newborn . . . (BR)

The Rh Blood Group System (S8)

Rh - Blood Typing (FS)

Rh Incompatibility (S8)

Transplantation Antigens: The ABO System (S8)

INCIDENCE

"Autosomal Syndromes" (Journal article)

Fact Sheet: Tuberous Sclerosis (PA)

"Hemochromatosis: Diagnosis and Treatment" (Journal article)

JEWISH GENETIC DISEASES

Cancer Genetics (BK)

Genetic Disorders Among Jews (VC)

The Genetics of the Jews (BK)

JOSEPH'S DISEASE

"Six Generations of One Family - Linked Together by a Deadly Gene" (Journal article)

KARTAGENER'S SYNDROME

"Progress in Down's Syndrome" (Journal article)

KLINEFELTER'S SYNDROME

Turner's Syndrome and Klinefelter's Syndrome (S8)

KUGELBERG-WELANDER DISEASE

Kugelberg-Welander Disease (PA)

LEGAL MEDICINE

California Laws Relating to Genetic Disorders (BR)

"Genetics and Laws Prohibiting Marriage in the United States" (Journal article)

Genetics and the Law (BK)

"Guidelines for the Ethical, Social, and Legal Issues in . . . " (Journal article)

LEGISLATION

"Genetics and Laws Prohibiting Marriage in the United States" (Journal article)

Legislative Base: Maternal and Child Health Programs (BK)

MAPLE SYRUP URINE DISEASE

"Antenatal Diagnosis of Maple-Syrup-Urine Disease" (Journal article)

"Management of Maple Syrup Urine Disease in Canada" (Journal article)

"Newborn Screening for Maple Syrup Urine Disease" (Journal article)

MARFAN'S SYNDROME

Marfan's Syndrome (VC)

MATERNAL AND CHILD HEALTH

Child Health in America (BK)

Legislative Base: Maternal and Child Health Programs (BK)

Research to Improve Health Services for Mothers and Children (BR)

MEDICAL GENETICS

Biochemical Methods in Medical Genetics (BK)

Clinical Genetics (BK)

Clinical Genetics (BK)

Clinical Problems During Pregnancy; Genetic Factors (VC)

Early Diagnosis of Human Genetic Defects (BK)

Elements of Medical Genetics (BK)

Ethical Issues Arising in the Genetic Counseling Relationship (BR)

The Genetic Approach to Human Disease (BK)
The Genetic Connection (BK)
Genetic Counseling (BK)
Genetic Defects: The Broken Code (MP)
Genetic Issues in Public Health and Medicine (BK)
Genetics and the Law (BK)
Genetics in Medicine (BK)
Genetics of Man (BK)
Human Genetics (BK)
Human Genetics (ST)
International Directory of Genetic Services (BK)
An Introduction to Medical Genetics (BK)
Know Your Genes (BK)
Medical Genetics; Principles and Practice (BK)
Oral Manifestations of Inherited Disorders (BK)
Your Genes and Your Destiny (BK)

MEIOSIS

Cell Division: Mitosis and Meiosis (MP)
Chromosome Simulation Bio Kit (KT)
Genetics: Chromosomes and Genes (MP)
Meiosis (MP)
Meiosis (S8)
Meiosis - Sex Cell Formation (MP)
Meiotic Non-Disjunction (S8)

MENDEL, GREGOR

Genetics: Mendel's Laws (MP)
Laws of Heredity (MP)
The Origin of Genetics; a Mendel Source Book (BK)

MENTAL RETARDATION

Clinical Programs for Mentally Retarded Children (BR)
Directory of Speakers on Genetic Disorders, Birth Defects . . . (PA)
The Genetic, Metabolic and Developmental Aspects of Mental . . . (BK)

Identification and Management of Selected Developmental Disabilities (BR)
Mental Retardation: Prenatal Diagnosis and Infant Assessment (BK)
Rare Inborn Errors of Metabolism in Children with Mental Retardation (BK)
Search for Their Future, Our Retarded Children (BK)

MENTALLY RETARDED CITIZENS SERVICES
Clinical Programs for Mentally Retarded Children (BR)

METABOLISM, INBORN ERRORS
Biochemical Methods in Medical Genetics (BK)
Enzyme Defects and DNA (MP)
Enzymopenic Anaemias, Lysosomes, and Other Papers (BK)
Genetic Screening for Inborn Errors of Metabolism (BK)
Heritable Disorders of Amino Acid Metabolism (BK)
Identification and Management of Selected Developmental Disabilities (BR)
Inborn Errors of Metabolism (S8)
"Inherited Metabolic Diseases of the Nervous System" (Journal article)
Phenylketonuria and Some Other Inborn Errors . . . (BK)
"Prenatal Detection of Heritable Metabolic Disorders" (Journal article)
Rare Inborn Errors of Metabolism in Children with Mental Retardation (BK)

MICHIGAN
Birth Defects and Genetic Disease Program (PA)
Genetic Counseling (BR)

MINIMAL BRAIN DYSFUNCTION
Minimal Brain Dysfunction (BR)

MITOSIS
Cell Division: Mitosis and Meiosis (MP)
Chromosome Simulation Bio Kit (KT)
Mitosis (MP)
Mitosis and Mitotic Non-Disjunction (S8)
Mitosis: Turtox Biochrome Chart (PC)

MOLECULAR GENETICS

The Cell: A Functioning Structure, Part II (MP)

Cell Division: Mitosis and Meiosis (MP)

Development and Differentiation (MP)

DNA: Blueprint of Life (MP)

The DNA Molecule (S8)

DNA Replication and Repair (S8)

Evidence for DNA as Genetic Material (S8)

Gene Expression During Cell Differentiation (BR)

Genetics (MP)

The Hemoglobin Molecule (S8)

Inborn Errors of Metabolism (S8)

"Medicine's Mighty Molecules" (Journal article)

Molecular Genetics; an Introductory Narrative (BK)

Proteins (S8)

Rise and Fall of Molecular Genetics (AC)

Sickle Cell Hemoglobin (S8)

Some General Biological Principals Illustrated by the Evolution of Man (BR)

Transcription of DNA (BR)

MULTIFACTORIAL DISEASES

"Medicine's Mighty Molecules" (Journal article)

Your Genes and Your Destiny (BK)

MUSCULAR ATROPHY

Werdnig-Hoffmann Disease of Infantile Progressive Spinal . . . (PA)

MUSCULAR DYSTROPHY

Around the Clock Aids for the Child with Muscular Dystrophy (BR)

Chart of Differential Diagnostic Characteristics of the Primary . . . (PA)

Genetic Counseling (VC)

Genetic Counseling on the Hereditary Neuromuscular Diseases (VC)
The Genetics of Duchenne's Muscular Dystrophy (BR)
MDA Services to the Patient, the Family, the Community (BR)
Milestones in Muscle Disease Research (BR)
Muscular Dystrophy and Related Conditions: Differential Diagnosis (MP)
Muscular Dystrophy; fact sheet (PA)
Muscular Dystrophy: Hope through Research (BR)
Myotonic Dystrophy; fact sheet (PA)

MYOTONIA ATROPHICA

Myotonic Dystrophy; fact sheet (PA)

MYOTONIA CONGENITA

The Myotonias; fact sheet (PA)

NERVOUS SYSTEM DISEASES

"Inherited Metabolic Diseases of the Nervous System" (Journal article)
"Six Generations of One Family - Linked Together by a Deadly Gene" (Journal article)

NEURAL TUBE DEFECTS

A Practical Manual for the Parents of Children with Myelomeningocele (PA)

NEUROMUSCULAR DISEASES

Chart of Differential Diagnostic Characteristics of the Primary . . . (PA)
Genetic Counseling on the Hereditary Neuromuscular Diseases (VC)
Kugelberg-Welander Disease (PA)
MDA Services to the Patient, the Family, the Community (BR)
Milestones in Muscle Disease Research (BR)
Muscular Dystrophy and Related Conditions: Differential Diagnosis (MP)
Neurological and Communicative Disorders: Estimated Numbers and Cost (PA)

NEWBORN SCREENING

"Cystic Fibrosis Screening by Sweat Analysis: A Critical . . . " (Journal article)

"Cystic Fibrosis Screening in the Newborn" (Journal article)

"Modification of a Screening Program for Neonatal Hypothyroidism" (Journal article)

Newborn Screening for Genetic-Metabolic Diseases (BR)

"Newborn Screening for Maple Syrup Urine Disease" (Journal article)

"Recommendations for Screening Programs for Congenital Hypothyroidism" (Journal article)

"Screening for Congenital Metabolic Disorders in the Newborn . . . " (Journal article)

NORMAL VALUES

Normal Values for Selected Physical Parameters: An Aid to Syndrome . . . (BR)

NORTH CAROLINA

Retinitis Pigmentosa: Clinical Implications of Current Research (BK)

NUTRITION

Nutrition, Time and Motion in Metabolism and Genetics (BK)

ORTHOPEDICS

Orthopedics (BR)

OSTEOGENESIS IMPERFECTA

I Have Osteogenesis Imperfecta but can . . . (PA)

"Osteogenesis Imperfecta Foundation" (Journal article)

Osteogenesis Imperfecta Foundation; For All of Them! (PA)

A Positive Approach to Controlling O.I. (PA)

PARAMYOTONIA CONGENITA

The Myotonias; fact sheet (PA)

PEDIGREE

Pedigree Patterns (MP)

Pedigree Patterns (S8)

PERIODIC PARALYSIS

Periodic Paralysis; fact sheet (PA)

PERSONAL NARRATIVES

Color Her Sunshine (MP)

David (BK)

Experiences of a Huntington's Disease Patient (BR)

Journey (BK)

Search for Their Future, Our Retarded Children (BK)

"Suspense in Pregnancy" (Journal article)

PHENYLKETONURIA

Diet Management of PKU for Infants and Preschool Children (BR)

Enzyme Defects and DNA (MP)

Identification and Management of Selected Developmental Disabilities (BR)

Pathology of Lesions of the Central Nervous System (SS)

The Phenylalanine-restricted Diet Recipe Book (BR)

Phenylketonuria and Some Other Inborn Errors . . . (BK)

PKU - A Guide to Management (BR)

PKU - Preventable Mental Retardation (MP)

"Screening for Congenital Metabolic Disorders in the Newborn . . . " (Journal article)

Search for Their Future, Our Retarded Children (BK)

POPULATION GENETICS

Allelism Versus Non-Allelism (rev.) (S8)

Allelism Vs Non-Allelism (S8)

Autosomal Inheritance (S8)

First Course in Population Genetics (BK)

Genetics, Evolution, and Man (BK)

Genetics: Human Heredity (MP)

The Genetics of Human Populations (BK)

"The Genetics of Human Populations" (Journal article)

The Hardy-Weinberg Law and Factors Which Disturb the Equilibrium (S8)

Human Genetics Bio Kit (KT)

Human Genetics: Principles and Methods (BK)

Inbreeding I (S8)

Inbreeding II (S8)

Linkage I (S8)

Linkage II (S8)

Linkage III (S8)

Linkage - Population Genetics (MP)

Modern Trends in Human Genetics (BK)

Mutations (S8)

X-Linked Inheritance (S8)

PRENATAL DIAGNOSIS

Amniocentesis (PA)

Amniotic Fluid Analysis in Prenatal Care (AC)

Antenatal Diagnosis and Down's Syndrome (BR)

Antenatal Diagnosis of Genetic Disorders (AC)

"Antenatal Diagnosis of Maple-Syrup-Urine Disease" (Journal article)

"Antenatal Diagnosis of Thalassaemia Major" (Journal article)

"An Assessment of the Hazards of Amniocentesis" (Journal article)

Clinical Problems During Pregnancy; Genetic Factors (VC)

Early Diagnosis of Human Genetic Defects (BK)

Facts About Prenatal Diagnosis (Berkeley) (PA)

Facts About Prenatal Diagnosis (San Diego R.C.) (PA)

Genetic Counseling (BR)

Genetic Issues in Public Health and Medicine (BK)

"Genetic Screening vs. Personal Freedom" (Journal article)

"Guidelines for the Ethical, Social, and Legal Issues in . . . (Journal article)

"Inherited Hypothyroidism" (Journal article)

Know Your Genes (BK)

Mental Retardation: Prenatal Diagnosis and Infant Assessment (BK)

The Prenatal and Clinical Genetic Services Project (BR)

"Prenatal Detection of Heritable Metabolic Disorders" (Journal article)

Pre-Natal Diagnosis by Amniocentesis (MP)

"Prenatal Diagnosis: Now the Problems" (Journal article)

"Prenatal Diagnosis of Genetics Diseases" (Journal article)

"Prenatal Diagnosis of Hemoglobin Disorders" (Journal article)

"Prenatal Genetic Diagnosis in 3000 Amniocentesis" (Journal article)

Protecting Your Family's Health (PA)

Questions and Answers on Birth Defects (PA)

The Safety and Accuracy of Mid-Trimester Amniocentesis (BK)

"Suspense in Pregnancy" (Journal article)

What Is Prenatal Diagnosis? (PA)

"Will Your Baby Be Normal?" (Journal article)

PSYCHOLOGICAL ASPECTS

Eddie (MP)

"Emotional Adjustment of Adolescents and Young Adults with Cystic . . ." (Journal article)

PUBLIC HEALTH

Child Health in America (BK)

REGISTRIES

The Safety and Accuracy of Mid-Trimester Amniocentesis (BK)

REPRODUCTION

Aging and Reproductive Physiology (BK)

Heredity and Human Affairs (BK)

Human Reproductive Physiology (BK)

RETINITIS PIGMENTOSA

"Little Known Diseases" (Journal article)

Retinitis Pigmentosa: Clinical Implications of Current Research (BK)

REVIEW

"Autosomal Syndromes" (Journal article)

"Cystic Fibrosis Screening by Sweat Analysis: A Critical . . ." (Journal article)

"Delivering Genetic Services" (Journal article)

"Familial Dysautonomia: Diagnosis, Pathogenesis, and Management" (Journal article)

"Genetic Disorders of Sex Differentiation" (Journal article)

"Genetics and Cancer in Children" (Journal article)

"Prenatal Detection of Heritable Metabolic Disorders" (Journal article)

"Prenatal Diagnosis of Genetic Diseases" (Journal article)

"Prenatal Diagnosis of Hemoglobin Disorders" (Journal article)

"Single-Gene Disorders" (Journal article)

RH-FACTOR

Are You Positive About Your Rh Blood Factor? (PA)

Erythroblastosis Fetalis I (S8)

Erythroblastosis Fetalis II (S8)

Genetic Counseling III: The Rh Negative Mother (MP)

Prevention of Hemolytic Disease of the Fetus and Newborn . . . (BR)

The Rh Blood Group System (S8)

Rh - Blood Typing (FS)

Rh Incompatibility (S8)

Rh - The Disease and its Conquest (MP)

SEX CHROMOSOME ABNORMALITIES

Chromosome Abnormalities: The Sex Chromosomes (MP)

"Genetic Disorders of Sex Differentiation" (Journal article)

Less Common X Chromosome Abnormalities (S8)

Turner's Syndrome and Klinefelter's Syndrome (S8)

SICKLE CELL ANEMIA

A Closer Look at Sickle Cell Anemia (MP)

Drug Therapy in Sickle Cell Disease (VC)

"The Genetics of Human Populations" (Journal article)
Living with Sickle Cell Anemia (MP)
Our Sickle Cell Story (BR)
"Prenatal Diagnosis of Hemoglobin Disorders" (Journal article)
The Red Blood Cell (MP)
Sickle Cell (SS)
Sickle Cell Anemia (PA)
Sickle Cell Anemia (PC)
Sickle Cell Anemia: A Genetic Disease (MP)
Sickle Cell Anemia, A Medical Review (BR)
Sickle Cell Anemia: Cause and Effects (FS)
Sickle Cell Anemia Clinic (PC)
Sickle Cell Anemia; Fact Book (BR)
Sickle Cell Anemia - Facts You Should Know (PA)
Sickle Cell Bio Kit (KT)
Sickle Cell Fundamentals (BR)
Sickle Cell Hemoglobin (S8)
The Sickle Cell Learning Game (G)
The Sickle Cell Story (MP)
The Sickle Shaped Cell (MP)
Tracking Down the Sickle Cell (KT)
"The Virginia Sickle Cell Anemia Awareness Program (Va SCAP) . . . " (Journal article)
Your Employee With Sickle Cell (PA)

SICKLE CELL TRAIT

A Closer Look at Sickle Cell Anemia (MP)
"Genetic Diversity in Hemoglobins" (Journal article)
Our Sickle Cell Story (BR)
Sickle Cell Anemia (PA)
Sickle Cell Anemia, A Medical Review (BR)
Sickle Cell Anemia: Cause and Effects (FS)
Sickle Cell Anemia Clinic (PC)
Sickle Cell Anemia; Fact Book (BR)

Sickle Cell Anemia - Facts You Should Know (PA)
Sickle Cell Bio Kit (KT)
Sickle Cell Fundamentals (BR)
The Sickle Cell Learning Game (G)
Sickle Cell Trait (PC)
"Sickle Cell Trait Restudied" (Journal article)
The Sickle Shaped Cell (MP)

SKIN DISEASES, GENETIC
Basic Genetics for Dermatologists (ST)

SOCIAL ASPECTS
Genetics, Evolution, and Man (BK)
Genetics, Society, and Medicine (VC)
"Guidelines for the Ethical, Social, and Legal Issues in . . . " (Journal article)
Heredity, Evolution and Society (BK)

SPINA BIFIDA
A Practical Manual for the Parents of Children with Myelomeningocele (PA)
Spina Bifida - A Birth Defect; Hope through Research (BR)
Spina Bifida and Hydrocephalus (BR)

STURGE-WEBER SYNDROME
Pathology of Lesions of the Central Nervous System (SS)

STURTEVANT, ALFRED HENRY
Genetics and Evolution: Selected Papers of A. H. Sturtevant (BK)

SYSTEMIC LUPUS ERYTHEMATOSUS
"Little Known Diseases" (Journal article)

TAY-SACHS DISEASE
"An Economic Evaluation of a Genetic Screening Program for . . . " (Journal article)

Facts About Tay-Sachs Disease (PA)

Pathology of Lesions of the Central Nervous System (SS)

Tay-Sachs Disease - A Birth Defect (PA)

Tay-Sachs Disease: Screening and Prevention (BK)

"Tay-Sachs Screening: Social and Psychological Impact" (Journal article)

TERATOGENS

Teratology and Congenital Malformation (BK)

THALASSEMIA

"Antenatal Diagnosis of Thalassaemia Major" (Journal article)

"Laboratory Detection of Thalassemia" (Journal article)

The Pathophysiology of Thalassemia (VC)

"Prenatal Diagnosis of Hemoglobin Disorders" (Journal article)

Thalassemia - A Birth Defect (PA)

TOURETTE SYNDROME

"Little Known Diseases" (Journal article)

Tourette Syndrome: Questions and Answers (PA)

Tourette Syndrome: The Sudden Intruder (MP)

TUBEROUS SCLEROSIS

Fact Sheet: Tuberous Sclerosis (PA)

National Tuberous Sclerosis Association (PA)

Tuberous Sclerosis Association of America (PA)

TURNER'S SYNDROME

Turner's Syndrome and Klinefelter's Syndrome (S8)

UTAH

"Wilson's Disease: Dilemma for Diagnosticians" (Journal article)

VIRGINIA

Birth Defects and Genetic Counseling (PA)

Hypothyroidism (PA)

Sickle Cell Anemia (PC)
Sickle Cell Anemia Clinic (PC)
Sickle Cell Trait (PC)
"The Virginia Sickle Cell Anemia Awareness Program (Va SCAP) . . . " (Journal article)

VON WILLEBRAND'S DISEASE
Understanding von Willebrand's Disease (BR)

WERDNIG-HOFFMANN DISEASE
Werdnig-Hoffmann Disease of Infantile Progressive Spinal . . . (PA)

WILSON'S DISEASE
"Wilson's Disease: Dilemma for Diagnosticians" (Journal article)

WISCONSIN
Directory of Organizations and Genetic Contacts (BR)
Directory of Speakers on Genetic Disorders, Birth Defects . . . (PA)
The Prenatal and Clinical Genetic Services Project (BR)

WYOMING
The Genetic Approach to Human Disease (BK)

X-LINKED DISEASES
X-Linked Inheritance (MP)
X-Linked Inheritance (S8)

ABBREVIATIONS – PUBLISHERS, ORGANIZATIONS, PRODUCERS

AAD	American Academy of Dermatology 820 Davis St. Evanston, IL 60201
ACOG	American College of Obstetricians and Gynecologists 8700 W. Wisconsin Ave. Milwaukee, WI 53226
Aldine	Aldine Pub. Co. 529 S. Wabash Chicago, IL 60605
ALLBAC	Allyn and Bacon, Inc. 470 Atlantic Ave. Boston, MA 02210
Ann Arbor Science	Ann Arbor Science Publisher P. O. Box 1425 Ann Arbor, MI 48106
ASCP	American Society of Clinical Pathologists Educational Products Division Chicago, IL 60601
ASFI	Association Films, Inc. 600 Grand Ave. Ridgefield, NJ 07657
AUDDF	Audio Digest Foundation 1577 E. Chevy Chase Dr. Glendale, CA 91206
A-W	Addison-Wesley Pub. Co. Reading, MA 01867
BCHS	Bureau of Community Health Services Health Services Administration Dept. of Health, Education, and Welfare 5600 Fishers Lane Rockville, MD 20852
Bobbitt	Bobbitt Laboratories 1834 West Davis St. Burlington, NC 27215
Bobbs	Bobbs-Merrill Co., Inc. 4300 W. 62nd St. Indianapolis, IN 46206

Boxwood	Boxwood Press 183 Ocean View Blvd. Pacific Grove, CA 93950
BSCS	Biological Sciences Curriculum Study P. O. Box 930 Boulder, CO 80306
Butterworths	Butterworths Publishers, Inc. 19 Cummings Park Woburn, MA 01801
CaBPHN	California Bureau of Public Health Nutrition California State Dept. of Public Health 2151 Berkeley Way Berkeley, CA 94704
CaDHS	California Dept. of Health Services 2151 Berkeley Way Berkeley, CA 94704
CAROUF	Carousel Films, Inc. 1501 Broadway New York, NY 10036
CaSDE	California State Dept. of Education Bureau of Publications 721 Capitol Mall Sacramento, CA 95814
CBSC	Carolina Biological Supply Company Burlington, NC 27215
CCHD	Committee to Combat Huntington's Disease 250 W. 57th St. New York, NY 10019
CCHD, NIH	Commission for the Control of Huntington's Disease and its Consequences Building 31, Room 8A11 NIH Bethesda, MD 20014
CDC	Center for Disease Control U. S. Dept. of Health, Education, and Welfare Public Health Service Atlanta, GA 30333

CFF	Cystic Fibrosis Foundation 6000 Executive Blvd. Rockville, MD 20852
Children's Health Center	Children's Health Center San Diego Regional Center 8001 Frost St. San Diego, CA 92123
CHMCNC	Sickle Cell Films Dept. Children's Hospital Medical Center of Northern California 51st and Grove St. Oakland, CA 94609
Churchill	Churchill Livingstone Distribution by Longman, Inc. 19 W. 44th St. New York, NY 10036
CORF	Coronet Instructional Films 65 E. South Water St. Chicago, IL 60601
Coward	Coward, McCann & Geoghegan, Inc. 390 Murray Hill Pkwy. East Rutherford, NJ 07073
CRDMS	Charles R. Drew Postgraduate Medical School Office of Continuing Education 1621 E. 120th St. Los Angeles, CA 90059
CSIROA	Commonwealth Scientific and Industrial Research Organization of Australia Animal Genetics Section Sidney, Australia
Davis Co.	F. A. Davis Co. 1915 Arch St. Philadelphia, PA 19103
DFI	Dysautonomia Foundation, Inc. 370 Lexington Ave. Suite 1508 New York, NY 10017
DHEW Pub. No. . . .	U. S. Dept. of Health, Education, and Welfare Publication Distribution by Superintendent of Documents U. S. Government Printing Office Washington, DC 20402

EBEC	Encyclopedia Britannica Educational Corp. Distribution by Encyclopedia Britannica Films, Inc. 3712 Jarvis Ave. Skokie, IL 60076
EMORYU	Emory University School of Medicine Atlanta, GA 30303
EntEd	Enterprises Educational, Inc. 2391 Sewell Rd., S.W. Atlanta, GA 30311
Fogarty	Fogarty International Center Building 31 National Institutes of Health Bethesda, MD 20014
G. Veigh	G. Veigh 1065 Findley Drive, E. Pittsburgh, PA 15221
GaRMTN	Georgia Regional Medical Television Network Emory University School of Medicine Calhoun Library Atlanta, GA 30303
GDP	Golden Door Productions 2748 9th St. Berkeley, CA 94710
Grossett	Grosset and Dunlap 51 Madison Ave. New York, NY 10010
HM	Houghton Mifflin Co. 2 Park St. Boston, MA 02107
Holt	Holt Rinehart and Winston 383 Madison Ave. New York, NY 10017
IAI	Information Applications, Inc. 2169 Baird Rd. Penfield, NY 14526
Idaho DH	Idaho Dept. of Health and Welfare 2220 Old Penitentiary Rd. Boise, ID 83720

IFB	International Film Bureau, Inc. 332 S. Michigan Ave. Chicago, IL 60604
IFI Plenum	IFI/Plenum Data Corp. Distribution by Plenum Pub. Corp. 227 W. 17th St. New York, NY 10011
IU	Indiana University Audio Visual Center Bloomington, IN 47401
John Knox	John Knox Press 341 Ponce De Leon Ave., N.E. Atlanta, GA 30308
Johns Hopkins	Johns Hopkins University Press 34th and Charles St. Baltimore, MD 21218
Knopf	Alfred A. Knopf, Inc. Orders to: 400 Hahn Rd. Westminster, MD 21157
Lab-Aids, Inc.	Lab-Aids, Inc. Bohemia, NY 11716
Lea & Febiger	Lea & Febiger 600 S. Washington Sq. Philadelphia, PA 19106
Lippincott	J. B. Lippincott Co. Washington Sq. Philadelphia, PA 19105
Liss	Alan R. Liss, Inc. 150 Fifth Ave. New York, NY 10011
MACSC	Macmillan Science Co., Inc. 8200 South Hoyne Ave. Chicago, IL 60620
McGraw	McGraw-Hill Book Co. 1221 Ave. of the Americas New York, NY 10036
MCV	Medical College of Virginia Visual Education Dept. MCV Box 62 Richmond, VA 23298

MDA	Muscular Dystrophy Association 810 Seventh Ave. New York, NY 10019
MdDH	Maryland State Dept. of Health and Mental Hygiene 201 W. Preston St. Baltimore, MD 21201
Medcom	Medcom Products 1633 Broadway New York, NY 10019
MEDIAG	Media Guild P. O. Box 881 Solana Beach, CA 92075
MEDIS	Medical Information Systems, Inc. 185 Great Neck Rd. Great Neck, NY 11021
Merrill	Charles E. Merrill Pub. Co. 1300 Alum Creek Dr. Columbus, OH 43216
MGHT	CRM/McGraw Hill Films 110 Fifteen St. Del Mar, CA 92014
MIFE	Milner-Fenwick, Inc. 2125 Greenspring Dr. Timonium, MD 21093
Morrow	William Morrow & Co., Inc. Distribution by Wilmor Warehouse 6 Henderson Dr. West Caldwell, NJ 07006
Mosby	C. V. Mosby Co. 11830 Westline Industrial Dr. St. Louis, MO 63141
MWH	Magee Women's Hospital Pittsburgh, PA 15213
NAC	National Audiovisual Center Washington, D.C. 20409
Nelson-Hall	Nelson-Hall, Inc. 325 W. Jackson Blvd. Chicago, IL 60606

NFMD	National Foundation - March of Dimes Box 2000 White Plains, NY 10602
NGF	National Genetics Foundation 9 W. 57th St. New York, NY 10019
NHDA	National Huntington's Disease Association Suite 501 1441 Broadway New York, NY 10018
NHF	National Hemophilia Foundation 25 W. 39th St. New York, NY 10018
NHLBI	National Heart, Lung, and Blood Institute National Institutes of Health 9000 Rockville Pike Bethesda, MD 20014
NIAMDD	National Institute of Arthritis, Metabolism and Digestive Diseases National Institutes of Health Bethesda, MD 20014
NICHD	National Institute of Child Health and Human Development National Institutes of Health Bethesda, MD 20014
NIGMS	National Institute of General Medical Sciences National Institutes of Health Bethesda, MD 20014
NIH	National Institutes of Health 9000 Rockville Pike Bethesda, MD 20014
NINCDS	National Institute of Neurological and Communicative Disorders and Stroke National Institutes of Health Bethesda, MD 20014
NMAC	National Medical Audiovisual Center (Annex) Station K Atlanta, GA 30324

NTSA	National Tuberous Sclerosis Association P. O. Box 159 Laguna Beach, CA 92652
OHICH	Clearinghouse on the Handicapped Office for Handicapped Individuals 200 Independence Ave. 388D Hubert H. Humphrey Bldg. Washington, D.C. 20201
OHIOSU	Medical Audio Visual and Television Center Ohio State University College of Medicine 1583 Perry St. Columbus, OH 43210
OIF	Osteogenesis Imperfecta Foundation, Inc. 632 Center St. Van Wert, OH 45891
Oxford U Pr	Oxford University Press, Inc. 16-00 Pollitt Dr. Fair Lawn, NJ 07410
PARC	Pennsylvania Association for Retarded Citizens Allegheny County Chapter 1001 Brighton Rd. Pittsburgh, PA 15233
PCHENT	Peach Enterprises, Inc. 4649 Gerald Warren, MI 48092
Pegasus	Pegasus, Affiliated with Bobbs-Merrill Co. 4300 W. 62nd St. Indianapolis, IN 46206
PEREN	Perennial Education, Inc. 1825 Willow Rd. Northfield, IL 60093
Philos Lib	Philosophical Library, Inc. 15 E. 40th St. New York, NY 10016
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SCHLAT	Warren Schloat Productions, Inc. Distribution Center West Nyack, NY 10994
STGT	Sturgis - Grant Productions 328 E. 44th St. New York, NY 10017
Symposia Special	Symposia Specialists Distribution by Stratton Intercontinental Medical Book Corp. 381 Park Ave. South New York, NY 10016
Thieme	Georg Thieme Verlag KG Herdweg 63 Postfach 732, D-7000 Stuttgart German Federal Republic
Thomas	Charles C. Thomas, Publisher 301-27 E. Lawrence St. Springfield, IL 62717
TIMELI	Time Life Broadcast Multimedia Division 100 Eisenhower Dr. Paramus, NJ 07652
Trident	Trident Press Division of Simon & Schuster, Inc. 630 Fifth Ave. New York, NY 10020
TSA	Tourette Syndrome Association 42-40 Bell Blvd. Bayside, NY 11361

TSAA	Tuberous Sclerosis Association of America P.O. Box 44 Rockland, MA 02370
UArizHSC	Biomedical Communications University of Arizona Health Science Center Tucson, AZ 85724
UCEMC	University of California Extension Media Center Berkeley, CA 94720
UCLA	Behavioral Science Media Lab University of California at Los Angeles Westwood, CA 90024
UMi-BD	Birth Defects Diagnostic Program Mott Children's Hospital University of Michigan Ann Arbor, MI 48109
UMiHSR	University of Michigan Medical Center Health Science Relations Ann Arbor, MI 48109
Univ Ariz	University of Arizona Press Box 3398 Tucson, AZ 85722
Upjohn	The Upjohn Company Scope Publications Kalamazoo, MI 49001
UTexSCC	University of Texas System Cancer Center M. D. Anderson Hospital and Tumor Institute Houston, TX 77030
UWiGC	Wisconsin Clinical Genetics Center Resource Information Center 109 Genetics Building University of Wisconsin Madison, WI 53706
VaSC	Virginia Sickle Cell Awareness Program Medical College of Virginia Virginia Commonwealth University Richmond, VA 23298

VaSDH	Virginia State Dept. of Health Richmond, VA 23219
W. H. Freeman	W. H. Freeman and Co. 660 Market St. San Francisco, CA 94104
Wallace	Bruce Wallace Pub. Co. Milwaukee, WI
WARDS	Wards Natural Science Establishment, Inc. P. O. Box 1712 Rochester, NY 14603
WEBC	Westinghouse Broadcasting Co. Subdivision of Westinghouse Electric Corp. 100 Park Ave. New York, NY 10017
WFP	Wexler Film Productions 801 N. Seward St. Los Angeles, CA 90038
Wiley	John Wiley and Sons, Inc. 605 Third Ave. New York, NY 10016
Williams and Wilkins	Williams and Wilkins Co. 428 E. Preston St. Baltimore, MD 21202
World Health Organization	World Health Organization Publications Centre USA 49 Sheridan Ave. Albany, NY 12210
WSU	Wayne State University DENT Project Detroit, MI 48201